TOSHIBA
Leading Innovation >>>

32DB833B
42DB833B
LCD TV / Blu-ray™ COMBI Series

IN NEED OF HELP

IF YOU ARE EXPERIENCING
ANY DIFFICULTIES PLEASE VISIT
WWW.TOSHIBA.CO.UK/TV-DVD-SUPPORT

OR CONTACT THE TOSHIBA
CUSTOMER HELPLINE ON
0844 856 0730

UK ONLY

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Safety Precautions

This equipment has been designed and manufactured to meet international safety standards but, like any electrical equipment, care must be taken to obtain the best results and for safety to be assured.

Please read the points below for your own safety. They are of a general nature, intended to help with all electronic consumer products and some points may not apply to the goods you have just purchased.

Air Circulation

Leave more than 10cm clearance around the TV to allow adequate ventilation. This will prevent overheating and possible damage to the TV. Dusty places should also be avoided.

Heat Damage

Damage may occur if the TV is left in direct sunlight or near a heater. Avoid places subject to extremely high temperatures or humidity. Place in a location where the temperature remains between 5°C (41°F) min. and 35°C (94°F) max.

Mains Supply

The mains supply required for this equipment is 220-240V AC 50/60Hz. Never connect to a DC supply or any other power source. DO ensure that the TV is not standing on the mains lead. Use only the supplied lead.

Do not cut off the mains plug from this equipment, this incorporates a special Radio Interference Filter, the removal of which will impair its performance. In the UK, the fuse fitted in this plug is approved by ASTA or BSI to BS1362.

It should only be replaced by a correctly rated and approved type and the fuse cover must be refitted.

IF IN DOUBT PLEASE CONSULT A COMPETENT ELECTRICIAN.

Do

DO read the operating instructions before you attempt to use the equipment.

DO ensure that all electrical connections (including the mains plug, extension leads and inter-connections between pieces of equipment) are properly made and in accordance with the manufacturers' instructions. Switch off and withdraw the mains plug before making or changing connections.

DO consult your dealer if you are ever in doubt about the installation, operation or safety of your equipment.

DO be careful with glass panels on equipment.

DO NOT REMOVE ANY FIXED COVERS AS THIS WILL EXPOSE DANGEROUS AND 'LIVE' PARTS.

THE MAINS PLUG IS USED AS A DISCONNECTING DEVICE AND THEREFORE SHOULD BE READILY OPERABLE.

Do not

DO NOT obstruct the ventilation openings of the equipment with items such as newspapers, tablecloths, curtains, etc. Overheating will cause damage and shorten the life of the equipment.

DO NOT allow electrical equipment to be exposed to dripping or splashing or objects filled with liquids, such as vases, to be placed on the equipment.

DO NOT place hot objects or naked flame sources, such as lighted candles or nightlights on, or close to equipment. High temperatures can melt plastic and lead to fires.

DO NOT use makeshift stands and NEVER fix legs with wood screws. To ensure complete safety, always fit the manufacturers' approved stand, bracket or legs with the fixings provided according to the instructions.

DO NOT leave equipment switched on when it is unattended, unless it is specifically stated that it is designed for unattended operation or has a standby mode. Switch off by withdrawing the plug, make sure your family know how to do this. Special arrangements may need to be made for people with disabilities.

DO NOT continue to operate the equipment if you are in any doubt about it working normally, or it is damaged in any way – switch off, withdraw the mains plug and consult your dealer.

WARNING – excessive sound pressure from earphones or headphones can cause hearing loss.

ABOVE ALL

NEVER let anyone, especially children, push or hit the screen, push anything into holes, slots or any other openings in the case - this could result in a fatal electrical shock.

NEVER guess or take chances with electrical equipment of any kind – it is better to be safe than sorry.

Installation and important information

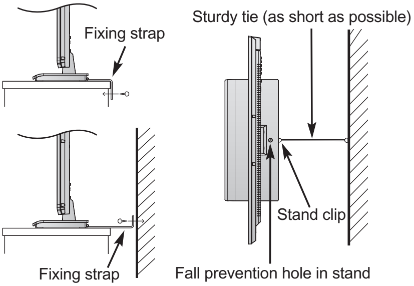
Where to install

Locate the TV away from direct sunlight and strong lights, soft, indirect lighting is recommended for comfortable viewing. Use curtains or blinds to prevent direct sunlight falling on the screen.

Place the TV set on a stable, level surface that can support the weight of the TV. As an additional safety measure you secure the TV to the level surface or a wall, as shown in the illustration, using sturdy strap.

Otherwise secure the TV on the level surface (Fall prevention hole in stand) using the mounting screw.

The LCD display panels are manufactured using an extremely high level of precision technology, however sometimes some parts of the screen may be missing picture elements or have luminous spots. This is not a sign of a malfunction.


Fixing strap
Sturdy tie (as short as possible)
Stand clip
Fixing strap
Fall prevention hole in stand

Stand style is dependent on model

Make sure the TV is located in a position where it cannot be pushed or hit by objects, as pressure will break or damage the screen. Also, please be certain that small items cannot be inserted into slots or openings in the case.

Cleaning the screen and cabinet...

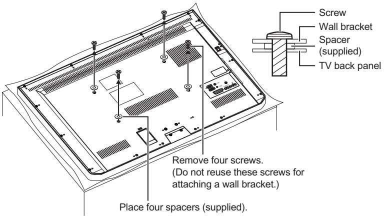
Turn off the power, and clean the screen and cabinet with a soft, dry cloth. We recommend that you do not use any proprietary polishes or solvents on the screen or cabinet as this may cause damage.

When using a Wall Bracket

Please use a wall bracket appropriate for the size and weight of the LCD TV.

- Two people are required for installation.
- **Never use the four screws attached to the TV.**
- To install a wall-mount from another manufacturer, use the **SPACERS** (supplied).

1. Unplug and remove any cables and/or other component connectors from the rear of the TV.
2. Carefully lay the front of the unit face down on a flat, cushioned surface such as a quilt or blanket.
3. Follow the instructions provided with your wall bracket. Before proceeding, make sure the appropriate bracket(s) are attached to the wall and the back of the TV as described in the instructions provided with the wall bracket.
4. Make sure to place the spacers supplied between the bracket and the back of the TV.
5. Always use the screws supplied or recommended by the wall mount manufacturer.


Screw
Wall bracket
Spacer (supplied)
TV back panel
Remove four screws. (Do not reuse these screws for attaching a wall bracket.)
Place four spacers (supplied).

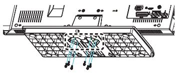
*Screw Type for Wall Bracket:
- 32DB833B: M6/10mm/20KG
- 42DB833B: M8/12mm/20KG

Removing the Pedestal Stand:

1. Carefully lay the front of the unit face down on a flat, cushioned surface such as a quilt or a blanket. Leave the stand protruding over the edge of the surface.

NOTE: Extreme care should always be used when removing the pedestal stand to avoid damage to the LCD panel.

2. Remove the screws.



3. Once you have removed all six screws holding the pedestal stand in place, remove the pedestal stand from the TV by sliding the pedestal stand away from the TV.

Please take note

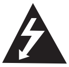
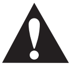
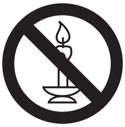
EXCLUSION CLAUSE

Toshiba shall under no circumstances be liable for loss and/or damage to the product caused by:

i) fire;
ii) earthquake;
iii) accidental damage;
iv) intentional misuse of the product;
v) use of the product in improper conditions;
vi) loss and/or damage caused to the product while in the possession of a third party;
vii) any damage or loss caused as a result of the owner's failure and/or neglect to follow the instructions set out in the owner's manual;
viii) any loss or damage caused directly as a result of misuse or malfunction of the product when used simultaneously with associated equipment;

Furthermore, under no circumstances shall Toshiba be liable for any consequential loss and/or damage including but not limited to the following, loss of profit, interruption of business, the loss of recorded data whether caused during normal operation or misuse of the product.

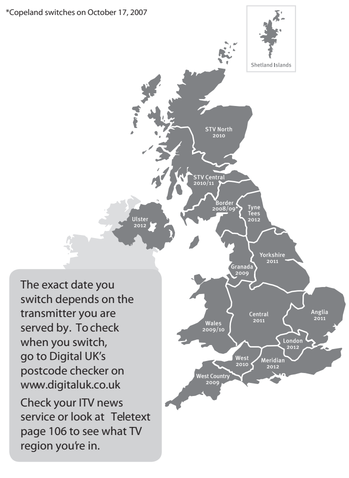
- If stationary images generated by 4:3 broadcasts, text services, channel identification logos, computer displays, video games, on-screen menus, etc. are left on the TV-screen for any length of time they could become conspicuous, it is always advisable to reduce both the brightness and contrast settings.
- Very long, continuous use of the 4:3 picture on a 16:9 screen may result in some retention of the image at the 4:3 outlines, this is not a defect of the LCD TV and is not covered under the manufacturers warranty. Regular use of other size modes (e.g.: Super Live) will prevent permanent retention.

SYMBOL	SYMBOL DEFINITION
	**DANGEROUS VOLTAGE:** The lightening flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of un-insulated "DANGEROUS VOLTAGE" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to people.
	**INSTRUCTIONS:** The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.
	**WARNING:** To prevent the spread of fire, keep candles or other open flames away from this product at all times.
CLASS 1 LASER PRODUCT	**LASER CAUTION:** • Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure. • To prevent direct exposure to laser beam, do not try to open the enclosure. • Visible and invisible laser radiation when open and interlocks defeated. • DO NOT STARE INTO BEAM.

Digital Switchover

When does switchover happen?

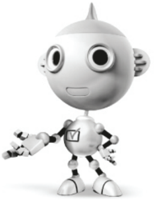
*Copeland switches on October 17, 2007



The exact date you switch depends on the transmitter you are served by. To check when you switch, go to Digital UK's postcode checker on www.digitaluk.co.uk

Check your ITV news service or look at Teletext page 106 to see what TV region you're in.

Keep this important information about how to re-tune your TV during the digital TV switchover



get set for digital☑

Television in the UK is going digital, bringing us all more choice and new services. Starting in late 2007 and ending in 2012, television services in the UK will go completely digital, TV region by TV region.

Please see above to find out when your area switches to digital.

Digital UK is the independent, non-profit organisation leading the process of digital TV switchover in the UK. Digital UK provides impartial information on what people need to do to prepare for the move to digital, and when they need to do it.

How the switchover affects your TV equipment:

Your new TV has a digital tuner built in, which means it is ready to receive the Freeview signal by simply plugging it into your aerial socket (check if you can get digital TV through your aerial now, or whether you'll have to wait until switchover, at **www.digitaluk.co.uk**).

When the TV switchover happens in your area, there are at least two occasions when you will need to re-tune your TV in order to continue receiving your existing TV channels, and also to pick up new ones, Digital UK, the body leading the digital TV switchover, will advise you when you need to re-tune during the switchover.

If you choose to connect your TV to satellite or cable with a digital box then it will not be affected by switchover, and you won't need to re-tune.

How to re-tune:

As new services are broadcast it will be necessary to re-tune the television in order to view them. **Auto tuning** will completely retune the television and can be used to update the channel list.

1. Press **MENU** button on the remote control unit.
   Select **Auto tuning** option.
2. A screen will appear warning that previous digital programmes and settings will be deleted.

You must allow the television to complete the search......

When the search is complete the **Auto tuning** screen will display the total number of service found.

Note:
Further detailed instructions on **Auto tuning** can be found in the TV owners manual.

If you are missing channels, it may be that they are not available in your area, or that your aerial needs upgrading.

If you have any further questions, please contact your equipment supplier or call Digital UK on **08456 50 50 50** or visit **www.digitaluk.co.uk**

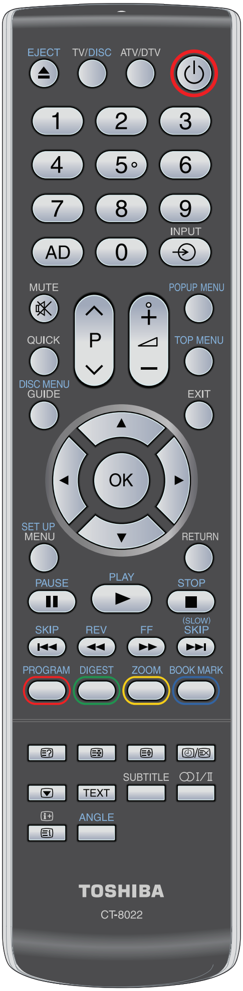
Re-tuning: **TOSHIBA** Freeview products

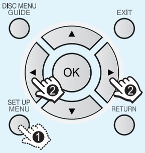
4 Steps
(Steps 1-4)

This guide can be used to help you re-tune the following product with the remote control below:

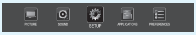
TOSHIBA Digital TV

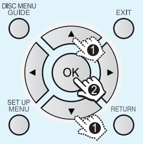
Make sure your TV is on and press 80 for the BBC News channel


EJECT
TV/DISC
ATV/DTV
1
2
3
4
5
6
7
8
9
INPUT
AD
0
MUTE
POPUP MENU
QUICK
P
TOP MENU
DISC MENU
GUIDE
EXIT
OK
SET UP
MENU
RETURN
PAUSE
PLAY
STOP
SKIP
REV
FF
(SLOW)
SKIP
PROGRAM
DIGEST
ZOOM
BOOK MARK
SUBTITLE
TEXT
ANGLE
TOSHIBA
CT-8022

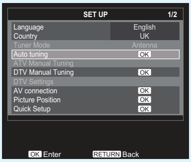

DISC MENU
GUIDE
EXIT
OK
SET UP
MENU
RETURN
2
2
1

1) Press **MENU** and press ◀ or ▶ to select **SETUP**.


PICTURE
SOUND
SETUP
APPLICATIONS
PREFERENCES


DISC MENU
GUIDE
EXIT
OK
SET UP
MENU
RETURN
1
2
1

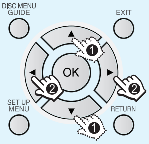
2) Press ▲ or ▼ to select **Auto tuning**, and press Ⓞⓚ to enter the sub-menu.



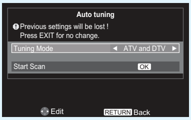
SET UP 1/2

Language	English
Country	UK
Tuner Mode	Antenna
Auto tuning	OK
ATV Manual Tuning	
DTV Manual Tuning	OK
DTV Settings	
AV connection	OK
Picture Position	OK
Quick Setup	OK

OK Enter RETURN Back


DISC MENU
GUIDE
EXIT
OK
SET UP
MENU
RETURN
1
2
2
1

3) Press ▲ or ▼ to select **Tuning Mode** and press ◀ or ▶ to select **ATV**, **DTV** or **ATV and DTV**.

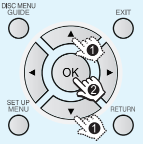


Auto tuning

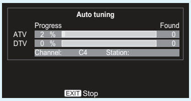
❗Previous settings will be lost !
Press EXIT for no change.

Tuning Mode	◀ ATV and DTV ▶
Start Scan	OK

Edit RETURN Back


DISC MENU
GUIDE
EXIT
OK
SET UP
MENU
RETURN
1
2
1

4) Press ▲ or ▼ to select **Start Scan** and press Ⓞⓚ to start **Auto tuning**.



Auto tuning

	Progress	Found
ATV	2 %	0
DTV	0 %	0

Channel: C4 Station:

EXIT Stop

TOSHIBA Customer Helpline: 0844 856 0730

TOSHIBA Online Support:
www.toshiba.co.uk/tv-dvd-support

***This process may affect any saved information stored on your product, including your favourites list.**
Please consult your instruction manual or contact the manufacturer using the details above.

Your guide to

Manual re-tuning

If you are comfortable with technical information and your basic re-tune hasn't worked, you can use this manual re-tune guide.

If your Freeview TV or box picks up a different regional service to your preferred service (e.g. BBC England instead of BBC Scotland, or ITV Central instead of ITV Anglia), you can use this manual re-tune guide.

If you are missing some services you may find they have moved to channel 800 or above, this guide will help you put them in your preferred position.

If you find manual re-tuning too difficult, contact your local electrical retailer or installer. This is a guide only, Freeview models operate slightly differently. Some early models do not offer a manual re-tune facility – check your instruction book.

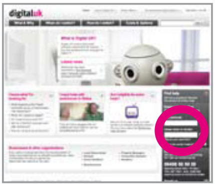
Please note:

Every time you re-tune, you will need to go through this process.

1

Go to the Postcode Checker at digitaluk.co.uk

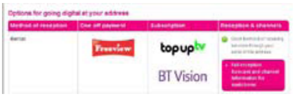
Enter your postcode on the right hand side of the web page. Remember to include your house number or name.
If you do not have internet access, contact the Digital UK helpline on 08456 50 50 50 * and ask for manual re-tune guide support.



2

Once you have entered your address details, the next page gives you an indication of which TV services you should receive, based on your most likely transmitter. You may be able to receive television services from more than one transmitter and you can check alternatives, where available.

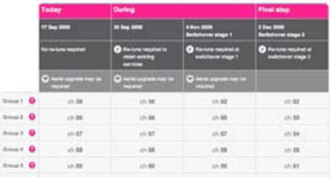
On the results page click on the pink button to see your full reception forecast and channel information for switchover.



3

Click on the How do I re-tune? pink banner.

Scroll down to the manual re-tune table where you will see the relevant "RF Channel" numbers for the digital services that can be received at your home.**



4

Write down the "RF Channel" numbers for your transmitter using the Group boxes here:

Group 1
Group 2
Group 3
Group 4
Group 5
Group 6

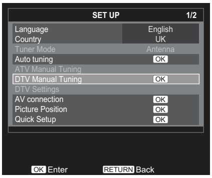
---

*Calls are free for BT customers within inclusive calling plans. Call charges from other providers may vary. The standard business hours for Digital UK's contact centre are 9am to 7pm Monday to Friday and 10am to 4pm on a Saturday. Opening hours will be extended during switchover in each area. Digital UK, PO Box 26833, Kirkcaldy,KY2 9AG .

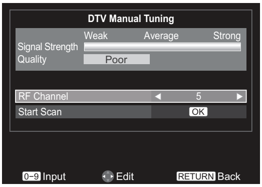
**Please note that the Freeview channel line-up is subject to change.

5 Press ‘MENU’ and press ◀ or ▶ to select ‘SETUP’.

6 Press ▲ or ▼ to select ‘DTV Manual Tuning’ and press OK to enter the submenu.


SET UP 1/2
Language English
Country UK
Tuner Mode Antenna
Auto tuning OK
ATV Manual Tuning
DTV Manual Tuning OK
DTV Settings
AV connection OK
Picture Position OK
Quick Setup OK
OK Enter
RETURN Back

7 Press ▲ or ▼ to select ‘RF Channel’.
Press ◀ or ▶ to change the RF channel or directly input using the number key pad on the remote.


DTV Manual Tuning
Quality Poor
RF Channel ◀ 5 ▶
Weak
Average
Strong
Signal Strength
Start Scan OK
0–9 Input
Edit
RETURN Back

8 Press ▲ or ▼ to select ‘Start Scan’ and press OK to start tuning.

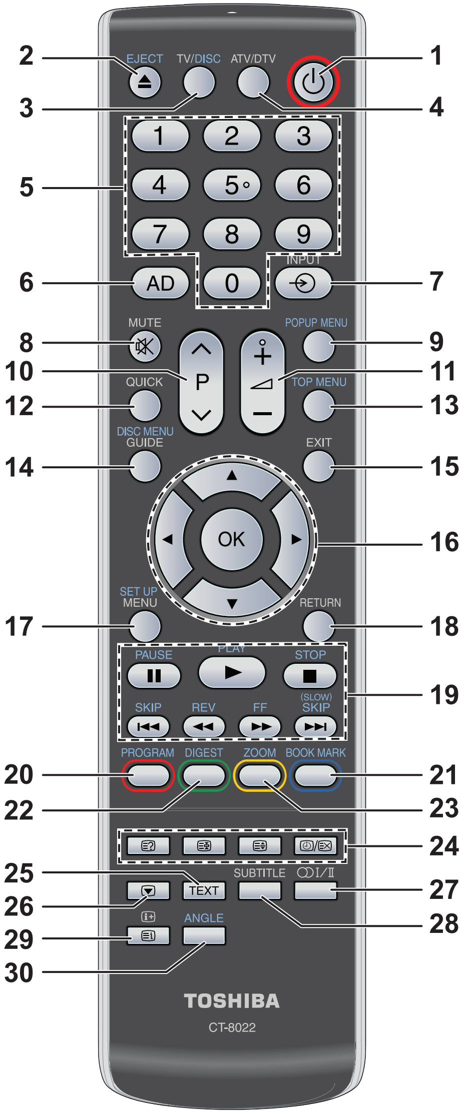
9 Press the ‘Menu’ button or ‘EXIT’.
You should find that you now have your preferred service installed.

If you need any more help, contact your retailer, installer, manufacturer or the Digital UK helpline on 08456 50 50 50 *

digitaluk

The Remote Control

Simple at-a-glance reference of your remote control.


2
3
5
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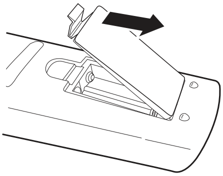
11
13
15
16
18
19
21
23
24
27
28
EJECT
TV/DISC
ATV/DTV
1
2
3
4
5
6
7
8
9
AD
0
INPUT
MUTE
POPUP MENU
P
QUICK
TOP MENU
DISC MENU
GUIDE
EXIT
OK
SET UP
MENU
RETURN
PAUSE
PLAY
STOP
SKIP
REV
FF
(SLOW)
SKIP
PROGRAM
DIGEST
ZOOM
BOOK MARK
TEXT
SUBTITLE
ꝏI/II
ANGLE
TOSHIBA
CT-8022

1 Toggles between TV ON or Standby
2 Ejects the disc
3 Switches between TV/DISC
4 Switches between ATV and DTV
5 Number buttons
6 Audio Description (in DTV mode)
7 Toggles between external input sources
8 Mutes the sound
9 Displays a popup menu or disc menu during playback
10 Changes the channel
11 Changes the volume
12 Displays the Quick access menu
13 Opens Media Center (not during playback)
Displays the top menu during playback
14 In TV mode: Displays EPG (in DTV mode)
In DISC mode: Displays On-Screen Control menu during playback
15 Exits the menu system
16 Menu navigation: ▲, ▼, ◄, ►
In Text mode: Changes the page
Ⓞ Confirms the selection
17 Displays the on-screen menu
18 Goes to the previous level of the menu
19 Playback function keys
► Starts/resumes playback
❚❚ Pauses playback to enter still mode
■ Stops playback
I◄◄ Pressing once returns to the beginning of the current title, chapter, track or file
◄◄ Fast-reverses playback of the disc
►► Fast-forwards playback of the disc
►►I Press to skip to the next title, chapter, track or file
20 Opens a window to program playback order during playback
21 During DVD disc playback, press the **BOOK MARK** button to add the bookmark; press and hold for a few seconds to display the list of bookmark which you added before on the screen, then you can press the button to select the bookmark or ■ button to delete the bookmark.
22 Displays thumbnail view of JPEG files (during playback) in loaded media
23 Zoom in/out a picture during playback
24 ≡? Reveals concealed text
≡ Holds a wanted page
≡ Enlarges text display size
◷/⊠ Selects a page while viewing a normal picture
25 Displays the teletext screen
26 Still Picture
27 In TV mode: Selects the audio transmissions (Stereo/Bilingual)
In DISC mode: Selects the soundtrack language
28 Sets the subtitle of a multi-language DVD or Blu-ray Disc™
29 In TV/DISC mode: Displays on-screen information
In Text mode: Accesses the index page
30 Selects angles while playing a scene recorded in multi-angle

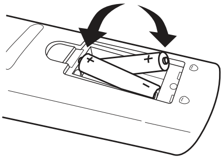
NOTE: Colour label definitions:
- Blue - for Disc player
- Grey - for TV

Inserting Batteries

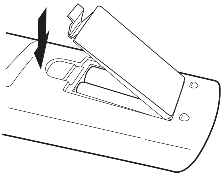
1. Remove the battery compartment cover in the direction of the arrow.



2. Insert the two supplied “R03/AAA” batteries and make sure the polarities are matched correctly.



3. Replace the cover.

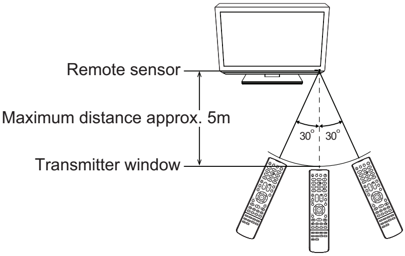


NOTE: Do not combine a used, old battery with a new one or mix battery types. Remove dead batteries immediately to prevent acid from leaking into the battery compartment. Dispose of them in accordance with instructions on page 100 of this manual.

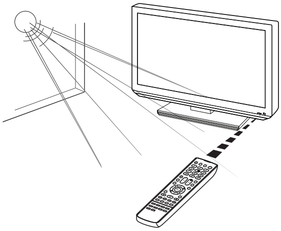
Warning: Batteries must not be exposed to excessive heat such as sunlight or fire.

Effective Range of the Remote

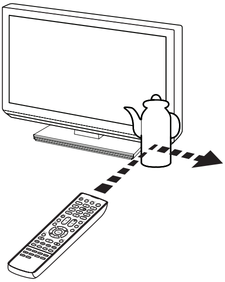
Aim the remote control directly at the remote sensor.



The remote control will not work properly in the following cases:



If bright sunlight directly beams on the front of the TV.

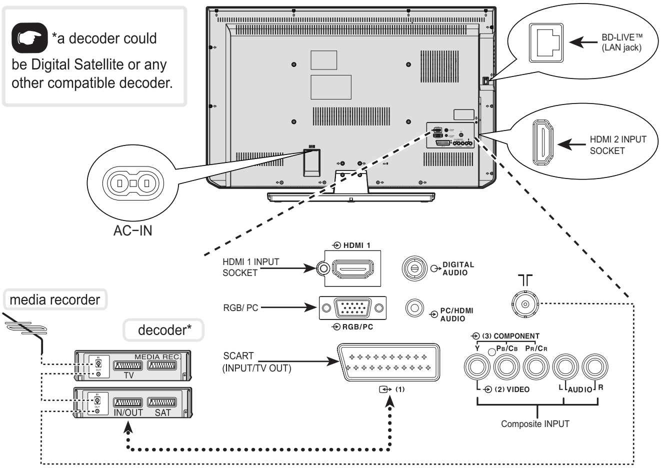


If an obstacle is placed between the TV and the remote.

Connecting External Equipment

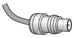
Before connecting any external equipment, turn off all main power switches. If there is no switch, remove the mains plug from the wall socket.

Connect the power cord into the AC-IN socket found at the back of the TV.


BD-LIVE™
(LAN jack)
HDMI 2 INPUT
SOCKET
AC−IN
HDMI 1
HDMI 1 INPUT
SOCKET
DIGITAL
AUDIO
RGB/ PC
PC/HDMI
AUDIO
RGB/PC
media recorder
decoder*
MEDIA REC
TV
IN/OUT
SAT
SCART
(INPUT/TV OUT)
(1)
(3) COMPONENT
Y
PB/CB
PR/CR
(2) VIDEO
L
AUDIO
R
Composite INPUT

*a decoder could be Digital Satellite or any other compatible decoder.

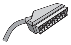
Aerial cables: - - - - - - - - - - - - - - - - - - -



Connect the aerial to the ╥ (antenna) socket on the rear of the TV.

If you use a decoder and/or media recorder, connect through the decoder and/or media recorder to the TV.

SCART cables: - - - -- - - - - - - - - - - - - - -



Connect the video recorder **IN/OUT** or decoder **TV** socket to the TV. Connect the media player **SAT** socket to the decoder **MEDIA REC**. socket.

LAN jack: - - - -- - - - - - - - - - - - - - -

Use this to connect to a network with an always-on broadband connection. It is reserved for the usage of BD-LIVE™.

Before running **Auto Tuning** put your decoder and media recorder to **Standby**.

HDMI® (High-Definition Multimedia Interface) is for use with a DVD, decoder or electrical equipment with digital audio and video output. It is designed for best performance with 1080i high-definition video signals but will also accept and display 480i, 480p, 576i, 576p, 720p and 1080p. HDMI1 also support VGA, SVGA, XGA, WXGA and SXGA.

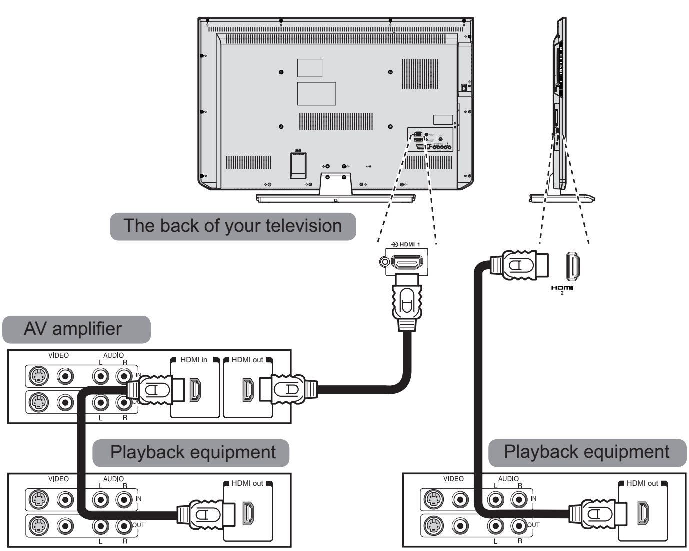
NOTE: Although this TV is able to connect to HDMI equipment, it is possible that some equipment may not operate correctly.

A wide variety of external equipment can be connected to the back of the TV, therefore the relevant owners manuals for all additional equipment must be referred to.

If the TV automatically switches over to monitor external equipment, return to normal TV by pressing the desired channel button. To recall external equipment, press ⊕ to select.

HDMI-LINK Connections

The basic functions of connected audio/video equipment can be controlled using the television’s remote control if a HDMI-LINK compatible device is connected.



The back of your television

AV amplifier

Playback equipment

Playback equipment

HDMI 1
HDMI
2
VIDEO
AUDIO
L
R
IN
OUT
HDMI in
HDMI out

Connecting an HDMI or DVI device to the HDMI input

The HDMI input on your television receives digital audio and uncompressed digital video from an HDMI source device or uncompressed digital video from a DVI (Digital Visual Interface) source device.

This input is designed to accept HDCP (High-Bandwidth Digital-Content Protection) programme material in digital form from EIA/CEA-861-D–compliant [1] consumer electronic devices (such as a set-top box or DVD player with HDMI or DVI output). For acceptable video signal formats, see page 19.

NOTE:

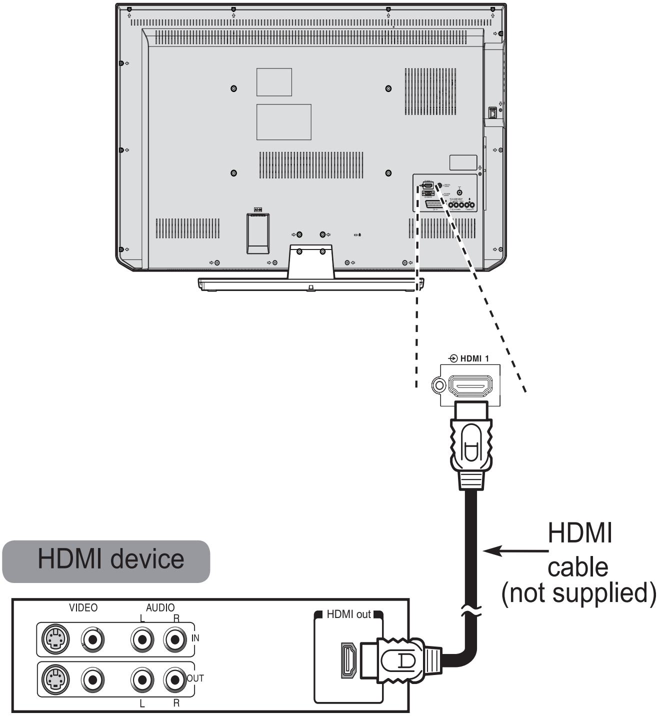
- Some early HDMI equipment may not work properly with your latest HDMI TV, due to the adoption of a new standard.
- Supported Audio format: Linear PCM, sampling rate 32/44.1/48kHz.

To connect an HDMI device

Connect an HDMI cable (type A connector) from the device to the HDMI terminal.

For proper operation, it is recommended that you use an HDMI cable with the HDMI Logo (HDMI®).

- If your HDMI connection is capable of 1080p and/or your television is capable of refresh rates greater than 50Hz, you will need a Category 2 cable. Conventional HDMI/DVI cable may not work properly with this mode.
- HDMI cable transfers both video and audio. Separate analogue audio cables are not required (see illustration).

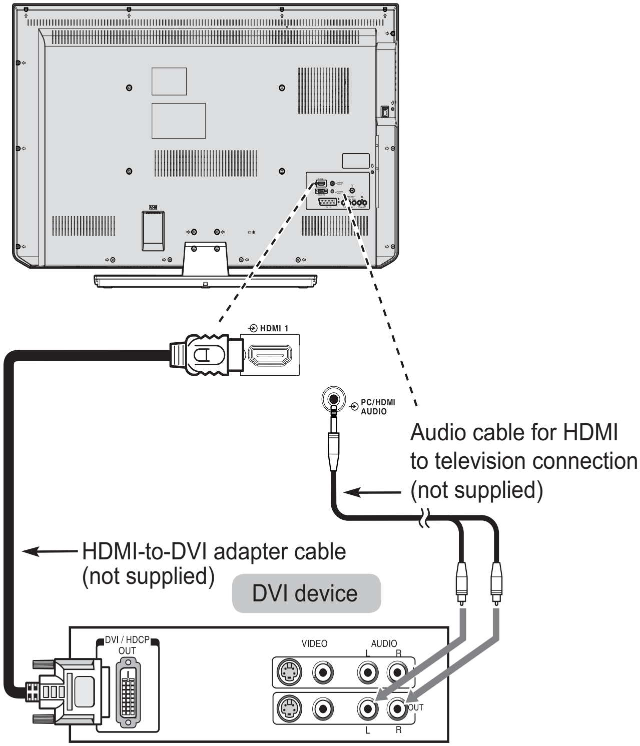


To view the HDMI device video, press the ⇥ button to select HDMI 1 or HDMI 2 mode.

To connect a DVI device

Connect an HDMI-to-DVI adapter cable (HDMI type A connector) to the HDMI 1 terminal and audio cables to the PC/HDMI (AUDIO) socket (see illustration).

- The recommended HDMI-to-DVI adapter cable length is 2m (6.6ft).
- An HDMI-to-DVI adapter cable transfers video only.
- Separate analogue audio cables are required for audio receivers.


HDMI 1
PC/HDMI AUDIO
Audio cable for HDMI to television connection (not supplied)
HDMI-to-DVI adapter cable (not supplied)
DVI device
DVI / HDCP OUT
VIDEO
AUDIO
L
R
OUT
L
R

To ensure that the HDMI or DVI device is reset properly, it is recommended that you follow these procedures:

- When turning on your electronic components, turn on the television first, and then the HDMI or DVI device.
- When turning off your electronic components, turn off the HDMI or DVI device first, and then the television.

[1] EIA/CEA-861-D compliance covers the transmission of uncompressed digital video with high-bandwidth digital content protection, which is being standardized for reception of high-definition video signals. Because this is an evolving technology, it is possible that some devices may not operate properly with the television.

HDMI, the HDMI Logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.

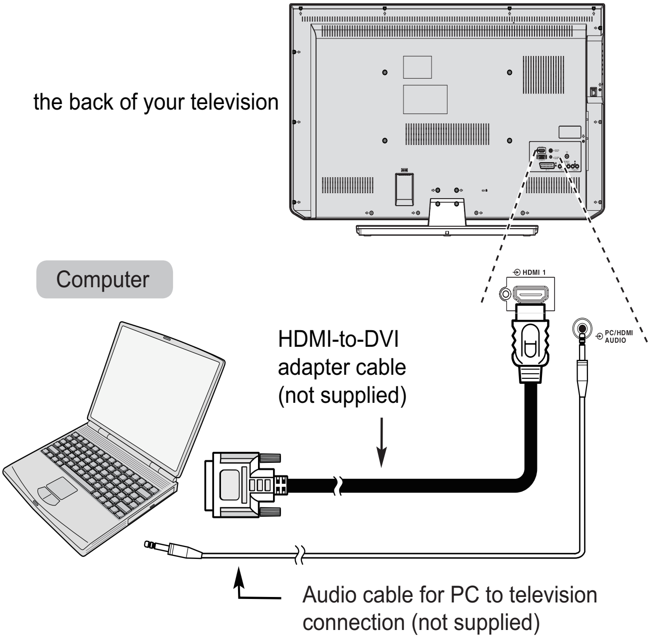
Connecting a Computer

With either an RGB/PC or an HDMI connection, you can watch your computer's display on the television and hear the sound from the televisions speakers.

To connect a PC to the HDMI terminal

When connecting a PC to the HDMI terminal on the television, use an HDMI-to-DVI adapter cable and an analogue audio cable.

If connecting a PC with an HDMI terminal, use an HDMI cable (type A connector). A separate analogue cable is not necessary.



the back of your television

Computer

HDMI-to-DVI adapter cable (not supplied)

Audio cable for PC to television connection (not supplied)

For acceptable PC and video signal formats, see page 19.

NOTE:

- The edges of the images may be hidden.
- If connecting a certain PC model with a unique PC signal, the PC signal may not be detected correctly.

Acceptable Video signals through HDMI terminals

Resolution	H. Frequency (kHz)	V. Frequency (Hz)
480i	15.734	60.000
480p	31.500	60.000
576i	15.625	50.000
576p	31.250	50.000
720p	37.500	50.000
720p	45.000	60.000
1080i	28.125	50.000
1080i	33.750	60.000
1080p	27.000	24.000
1080p	28.125	25.000
1080p	33.750	30.000
1080p	56.250	50.000
1080p	67.500	60.000

Acceptable PC signals through HDMI terminals

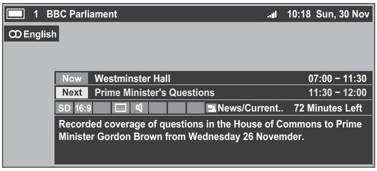
Resolution	H (kHz)	V(Hz)	Pixel Clock (MHz)	H-Polarity	V-Polarity	H-Total	V-Total
640 x 480	31.369	59.940	25.175	Negative	Negative	800	525
640 x 480	37.861	72.809	31.500	Negative	Negative	832	520
640 x 480	37.500	75.000	31.500	Negative	Negative	840	500
800 x 600	35.160	56.250	36.000	Positive	Positive	1024	625
800 x 600	37.879	60.317	40.000	Positive	Positive	1056	628
800 x 600	48.077	72.188	50.000	Positive	Positive	1040	666
800 x 600	46.875	75.000	49.500	Positive	Positive	1056	625
1024 x 768	48.363	60.004	65.000	Negative	Negative	1344	806
1024 x 768	60.023	75.029	78.750	Positive	Positive	1312	800
1280 x 768	47.776	59.870	79.500	Negative	Positive	1664	798
1360 x 768	47.712	60.015	85.500	Positive	Positive	1792	795
1280 x 1024	63.981	60.020	108.000	Positive	Positive	1688	1066
1280 x 1024	79.976	75.025	135.000	Positive	Positive	1688	1066

Digital On-Screen Information and Programme Guide

When viewing in digital mode, the on-screen information and programme guide provide access to programme details for all available channels.

Information

1. Press (i+) and the information screen will appear giving details of the channel and programme currently being viewed.



▭ 1 BBC Parliament 10:18 Sun, 30 Nov

∞ English

Now Westminster Hall 07:00 – 11:30

Next Prime Minister's Questions 11:30 – 12:00

SD 16:9 News/Current.. 72 Minutes Left

Recorded coverage of questions in the House of Commons to Prime Minister Gordon Brown from Wednesday 26 Novemder.

2. Press ▲ or ▼ to choose from **Now** or **Next** information guide.

On-Screen Information Icons

Icons will appear on the Information screen giving details about the programmes being broadcast. Details of these icons are listed below:

	Icon	Description
Service info	▬ 📶 ☰	Service type (TV, Radio, TEXT)
	↷	Skip
Audio info	⬭	Mono
	∞	Stereo
	●○	Dual mono
	∞	Multi Channel
	◫D	Dolby Digital
	◫D+	Dolby Digital+
	AD	Audio Description
Audio/ Subtitle info	🦻	Hearing Impaired
Event info	HD, SD	Video format (HD, SD)
	16:9, 4:3	Video Aspect
	☰	Teletext
	[....] [....]	Subtitle (Single, Multi)
	🔈🔈	Multi-audio track
	None or 4 - 18	Parental rating
	▣	Encrypted
Timer info	🕘	Recording
	✓	Reminder

NOTE: When country setting is France, Parental rating is 4 -18.

Guide

1. Select the on-screen guide by pressing **GUIDE**. The guide screen will appear highlighting details of the channel and programme currently being viewed. This may take a few moments to appear.
2. Press ◄ or ► for information on other programmes scheduled for the channel selected.
3. For details of other programmes currently available, press ▲ and ▼ to scroll up and down the channel list.

NOTE: In order for the recording operation to work properly, the media recorder must be set to the same time as the TV. Regarding the process for recording, please refer to the owner's manual of the recording equipment.

Frequently Asked Questions

Q *No power.*

A
- Plug in the power cord firmly into a wall outlet.
- Unplug the power cord, wait for 5 to 10 seconds, then plug in again.

Q *No picture. No sound.*

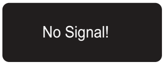
A
- Check the power of the connected TV.
- Check connections of devices which are connected to the TV.
- Check the settings of sound and audio on the TV.

Q *No picture. Picture is distorted.*
Pictures of Blu-ray Disc™ or DVD are monochrome.

A
- Picture may be distorted momentarily after fast forward or fast reverse play.
- This is not a malfunction.
- Check the compatibility of the disc on page 63.
- Check the region code of the disc on page 63.

Q *No picture, or suddenly picture gone out in HDMI connection.*

A
- Connect an HDMI cable firmly.
- HDMI connection may not be verified. Turn on the power of the TV.
- Is the amplifier HDCP compatible?


No Signal!

Q *No TV/DVD video.*

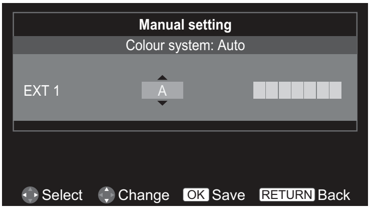
A Make sure the VCR or DVD player is connected to the TV, then select the correct input by pressing ⊖.

Q *There is a picture, but why is there little or no colour?*

A The colour is factory set to **Auto** to automatically display the best colour system.
When using an **external** source, if there is little or no colour, improvements may sometimes be achieved.

To manually change the colour system:

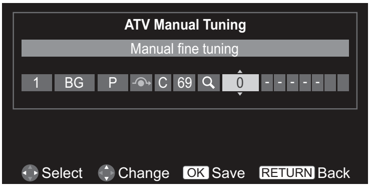
1. With the external source playing, select **Manual setting** in the **SETUP** menu.
2. Using ▲ or ▼ choose from **Auto**, **NTSC 4.43**, **NTSC 3.58**, **SECAM** or **PAL**.


Manual setting
Colour system: Auto
EXT 1 A

Q *What else can cause a poor picture?*

A Interference or a weak signal. Try a different TV station. Manual fine tuning may help:

1. Select the **ATV/DTV Manual Tuning** in the **SETUP** menu.
Highlight the station and press OK, then press ◄ or ► to select **Manual fine tuning**.


ATV Manual Tuning
Manual fine tuning
1 BG P C 69 0 - - - - -

2. Using ▲ or ▼ to adjust to get the best picture and sound. Press OK and then **EXIT** to exit.

NOTE: For DTV Manual Tuning, please see page 29 and page 30.

Q *No sound. Sound is interrupted.*

A
- Adjust the sound volume.
- Check the sound has not been muted.
- Check the speaker connection.

Q *Playback stops momentarily.*

A
- Discs with scratches or stains such as fingerprints cannot be played properly. Clean the disc or try other discs.
- The disc may contain error.

Q *Disc does not play.*

A
- Clean the disc.
- Load the disc with label facing forward into the disc slot.
- Try other discs. If they are played, the disc may contain error.
- Check the compatibility of the disc on page 63.
- Is the disc finalized?

Q *Unusual screen remains even after ejecting a disc.*

A Internal error may have occurred. Turn the TV off, wait for a while, then power on.

Q *The remote control does not work properly.*

A
- Point the remote control at the remote sensor of the TV.
- Operate the remote control within about 5 m (22 feet).
- Replace the batteries.
- Check the polarity of batteries in the remote control.

Q *Buttons do not work.*

A Unplug the power cord, wait for 5 to 10 seconds, then plug in.

Q *Text unreadable/garbled.*

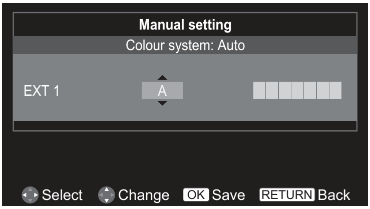
A Good performance of text depends on a strong broadcast signal. If the text is unreadable or garbled, check the aerial, satellite or cable connection. Go to the main index page of the text service and look for the User Guide. This will explain the basic operation of text in some detail.

Q *Text not visible.*

A Text has been selected while viewing an external source. No text will appear on-screen or a box may appear stating no information is available. Select a broadcasting channel and press ▤ to access.

Q *Wrong colours when playing an NTSC source.*

A Connect the source via a SCART cable and play. Select **Manual setting** from the **SETUP** menu and set the Colour System to **Auto**.



Manual setting

Colour system: Auto

EXT 1 A

Q *Operation is rejected while playing a disc.*

A The operation may be prohibited by the disc. Refer to description of the disc.

Q *A playable disc cannot be read.*

A
- Moisture condensation may occur inside the TV. Keep the TV powered on for a while to evaporate the moisture.
- Check the compatibility of the disc on page 63.
- Clean the disc.

Q *Angle cannot be changed.*

A Does the disc include multi-angle content? Angle selection is available only while playing a multi-angle content.

Q *DivX®/MP3/JPEG files cannot be played.*

A Check the compatibility of the disc and file format.

Q *VCR/DVD picture in black and white.*

A Check whether the correct SCART input has been chosen: S-VIDEO or AV from AV connection in the SETUP menu.

Q *A selected title cannot be played.*

A The parental control of this TV may prohibit playback of the content.

Q *I forgot my password of “Parental Control”.*

A Input 1276 as a password. The registered password is cleared. Register your new password from **DTV Settings** in the **SETUP** menu.

NOTE: “TV parental lock function is not available for UK”, because no parental lock concept in UK.

Q *Some setting items on “Setup Menu” cannot be selected.*

A Settings such as language, audio, subtitles cannot be changed in stop mode (resuming standby mode) by pressing **STOP** ■ once. To change these items, press **STOP** ■ twice to stop playback completely, then press **SET UP** to open **Disc Setup** menu.

Q *HDMI devices not operating properly.*

A Make sure to use cables with the HDMI logo (HDMI®). Some early HDMI equipment may not work properly with the latest HDMI TV products, due to adoption of new standards.

Q *Network connection fails.*

A

- Check LAN connection.
- Turn on the power of modem or router.
- Set “Network” on page 76 correctly.
- Check the connection of your network.
- Check “BD-Live Connection” setting on page 77.

Q *BD-LIVE™ play or data download fails.*

A

- Connect a USB flash drive with an adequate (more than 1GB) capacity to the EXTERNAL connector.
- Check the USB flash drive is connected correctly.

Q *BD-LIVE™ disc cannot play.*

A Connect a USB flash drive with an adequate (more than 1GB) capacity to the EXTERNAL connector. BD-LIVE™ disc may require certain volume of memory during playback.

Q *TV turns off by itself.*

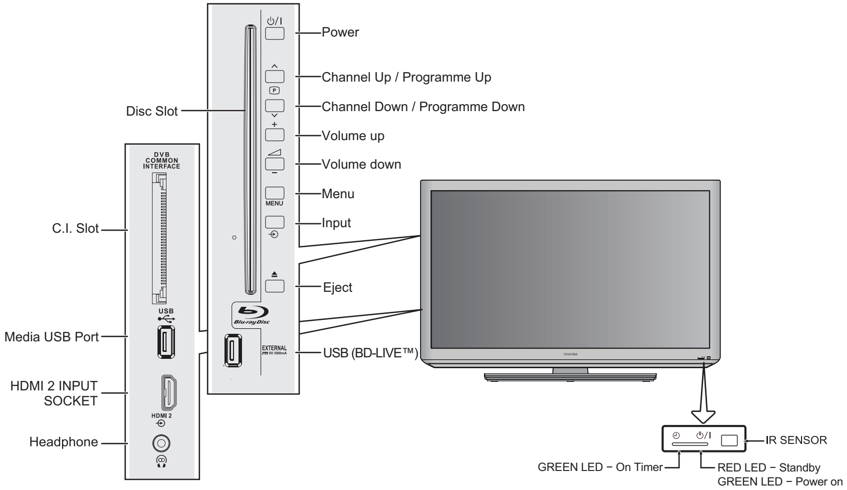
A After roughly 15 minutes without any input video signal at TV mode, the TV will turn off to save power if **Automatic Power Down** is set to **On**.

NOTE:

- Certain operating conditions may prohibit some features. This is not a defect.
- Some functions may not be available depending on disc category and recording condition of content.

Using the Controls

While all the necessary adjustments and controls for the television are made using the remote control, the buttons on the television may be used for some functions.


Power
Channel Up / Programme Up
Disc Slot
Channel Down / Programme Down
Volume up
DVB COMMON INTERFACE
Volume down
Menu
MENU
C.I. Slot
Input
Eject
USB
Media USB Port
EXTERNAL
USB (BD-LIVE™)
HDMI 2 INPUT SOCKET
HDMI 2
Headphone
IR SENSOR
GREEN LED – On Timer
RED LED – Standby
GREEN LED – Power on

Switching On

If the RED Standby LED is unlit, check that the plug is connected to the power supply. If the picture does not appear, press ⏻ on the remote control, it may take a few moments.

To put the TV into Standby, press ⏻ on the remote control. To view the TV, press ⏻ again. The picture may take a few seconds to appear.

Using the Remote Control

To set up the TV, you will now need to use the on screen menus. Press **MENU** on the remote control to see the menus.

The on-screen menu appears as a list of five icons. Each icon can be selected by pressing ◀ or ▶ on the navigation ring on the remote control, its respective options will appear right side.

To use the options, press OK to enter the sub-menu. Then press ▲ or ▼ on the navigation ring to move up and down through the menu and use OK, ◀ or ▶ to select the required choice. Follow the on-screen instructions. The functions of each menu are described in detail throughout this manual.

Using the Side-Key Controls

TV mode:

To change the volume, press –⊿+.

To alter the channel, press ∧ P ∨.

Press **MENU**, ∧ P ∨, or –⊿+ to control the sound and picture options.

Press **MENU** to exit.

To select an external input, press ⊕ and then use ∧ P ∨, or –⊿+ to move through the list until the appropriate input source is selected.

Disc mode:

To play, press ∧ P; to stop, press P ∨.
To eject, press ⏏.

Please always refer to the owner's manual of the equipment to be connected for full details.

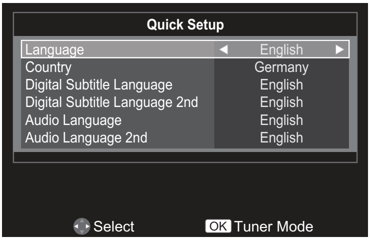
NOTE: Inserting the headphone plug will mute the sound from all speakers.

Tuning the Television

Before switching on the television put your decoder and media recorder to **Standby** if they are connected. To set up the television use the buttons on the remote control as detailed on page 12.

Quick Setup

1 For first time use, plug in the TV and press ⏻.
The **Quick Setup** screen will appear.



Quick Setup

Language	◄ English ►
Country	Germany
Digital Subtitle Language	English
Digital Subtitle Language 2nd	English
Audio Language	English
Audio Language 2nd	English

NOTE: The **Quick Setup** menu can also be accessed in the **SETUP** menu.

2 Press ▲ or ▼ to select **Language** and then press ◄ or ► to select your language (English, Français, Deutsch, Español, Italiano, Português, Nederlands, Svenska, Dansk, Norsk, Suomi, Polski, Slovenščina, Magyar, Slovensky, Český, Русский, Românâ, български, Srpski, Ελληνικά, Hrvatski, Türkçe or Українська).

3 Press ▲ or ▼ to select **Country** and then press ◄ or ► to select your country (Germany, Denmark, Spain, Finland, France, Poland, Turkey, Hungary, Slovenia, Ukraine, Slovakia, Luxembourg, Romaina, UK, Italy, Netherlands, Sweden, Bulgaria, Greece, Russia, Norway, Ireland, Portugal, Others, Austria, Belgium, Sweitzerland or Czech).

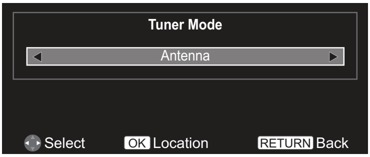
4 Press ▲ or ▼ to select **Digital Subtitle Language** and then press ◄ or ► to select your preferred language.

5 Press ▲ or ▼ to select **Digital Subtitle Language 2nd** and then press ◄ or ► to select your preferred language.

6 Press ▲ or ▼ to select **Audio Language** and then press ◄ or ► to select your preferred language.

7 Press ▲ or ▼ to select **Audio Language 2nd** and then press ◄ or ► to select your preferred language.

8 Press OK to select **Tuner Mode**.
NOTE: This option is based on the country specified in the **Quick Setup** menu.

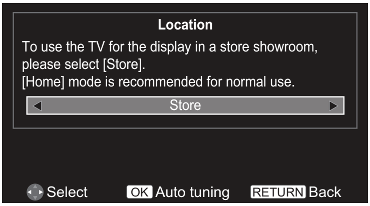


Tuner Mode

◄ Antenna ►

Press ◄ or ► to select **Antenna** or **Cable**.

9 Press OK to select **Location**.



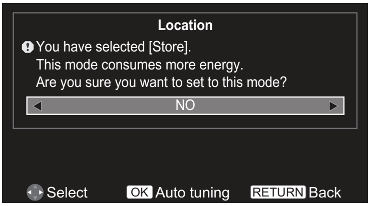
Location

To use the TV for the display in a store showroom, please select [Store].
[Home] mode is recommended for normal use.

◄ Store ►

Press ◄ or ► to select **Home** or **Store**.

When **Store** is selected, the confirmation window appears.



Location

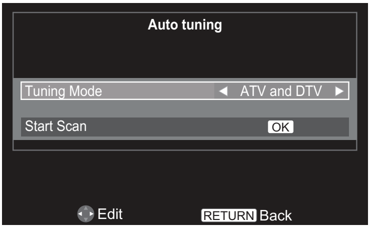
! You have selected [Store].
This mode consumes more energy.
Are you sure you want to set to this mode?

◄ NO ►

Press ◄ or ► to select **YES** or **NO**.

10 Press OK to enter the **Auto tuning** menu.

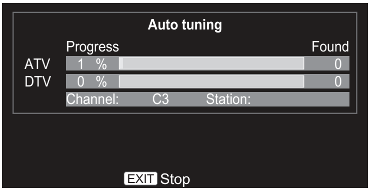
NOTE: Please make sure the aerial is connected to the TV before tuning.



Tuning Mode ◄ ATV and DTV ►

Start Scan OK

Press ▲ or ▼ to select **Tuning Mode** and then press ◄ or ► to select **ATV**, **DTV** or **ATV and DTV**.
Press ▲ or ▼ to select **Start Scan** and press OK.



ATV 1 % 0

DTV 0 % 0

Channel: C3 Station:

The search will begin for all available stations. The slide bar will move along the line as the search progresses.

You must allow the TV to complete the search.

When the search is completed the TV will automatically select the first-found channel. This may not be a clear picture or the signal may be weak, so the station order can be changed using **ATV/DTV Manual Tuning** in the **SETUP** menu.

NOTE: The time will be set automatically by transmission but can be advanced or decreased by using **Local Time Setting** in the **DTV Settings** screen.

Setting the Channels

NOTE: When **Parental Block** is activated, the 4-digit password is needed.

Auto Tuning

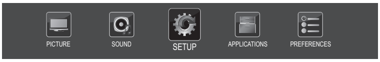
The **Auto tuning** function will completely re-tune the television and can be used to update the channel list.

NOTE:

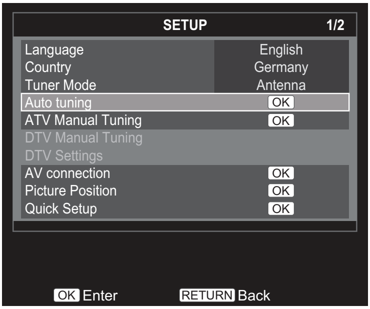
- It is recommended that **Auto tuning** is run periodically to ensure that all new services are added.
- All the current channels and settings, for example, the locked channels, will be lost.

Tuner Mode - Antenna

1. Press **MENU**. Press ◀ or ▶ to select **SETUP** and press OK to enter the sub-menu.



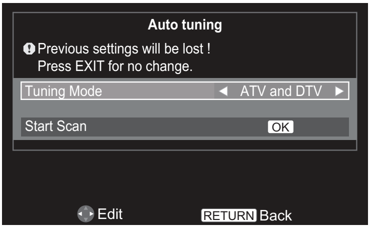
2. Press ▲ or ▼ to select **Auto tuning**, and press OK to enter the submenu.



SETUP 1/2

Language	English
Country	Germany
Tuner Mode	Antenna
Auto tuning	OK
ATV Manual Tuning	OK
DTV Manual Tuning	
DTV Settings	
AV connection	OK
Picture Position	OK
Quick Setup	OK

3. Press ▲ or ▼ to select **Tuning Mode** and press ◀ or ▶ to select **ATV**, **DTV** or **ATV and DTV**.



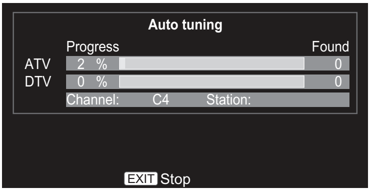
Auto tuning

Previous settings will be lost !
Press EXIT for no change.

Tuning Mode ◀ ATV and DTV ▶

Start Scan OK

Press ▲ or ▼ to select **Start Scan** and press OK to start **Auto Tuning**.



Auto tuning

	Progress	Found
ATV	2 %	0
DTV	0 %	0

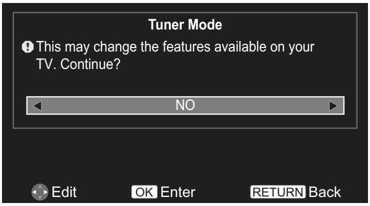
Channel: C4 Station:

Tuner Mode - Cable

Switching between tuner modes will change the features available on your television.

All the current channels and settings, for example, the locked channels, will be lost.

In the **SETUP** menu, press ▲ or ▼ to select **Tuner Mode** and press OK.
Press ◀ or ▶ to select **YES** or **NO**.

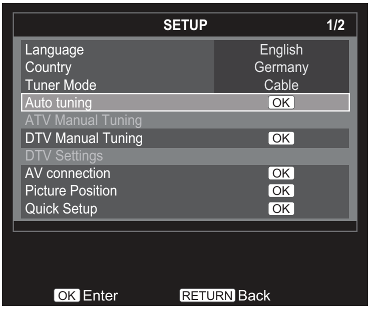


Tuner Mode

This may change the features available on your TV. Continue?

◀ NO ▶

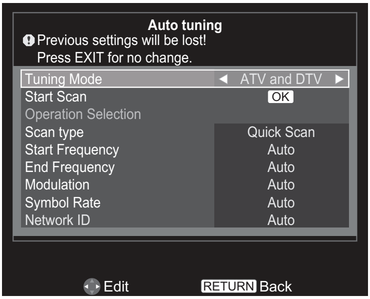
1. Press **MENU**. Press ◀ or ▶ to select **SETUP** and press OK to enter the sub-menu.
2. Press ▲ or ▼ to select **Auto tuning**, and press OK to enter the submenu.



SETUP 1/2

Language	English
Country	Germany
Tuner Mode	Cable
Auto tuning	OK
ATV Manual Tuning	
DTV Manual Tuning	OK
DTV Settings	
AV connection	OK
Picture Position	OK
Quick Setup	OK

3. Press ▲ or ▼ to select **Tuning Mode** and press ◄ or ► to select **ATV**, **DTV** or **ATV and DTV**.



Auto tuning
Previous settings will be lost!
Press EXIT for no change.

Tuning Mode	◄ ATV and DTV ►
Start Scan	OK
Operation Selection	
Scan type	Quick Scan
Start Frequency	Auto
End Frequency	Auto
Modulation	Auto
Symbol Rate	Auto
Network ID	Auto

4. Press ▲ or ▼ to select **Operator Selection**, and press ◄ or ► to select it.

5. Press ▲ or ▼ to select **Scan type**, and press ◄ or ► to select **Full Scan** or **Quick Scan**.
   NOTE: Channels with a weak signal may be missed by **Quick Scan**.

6. Press ▲ or ▼ to select **Start Frequency**, **End Frequency**, **Modulation**, **Symbol Rate** or **Network ID**, and use number key pad on the remote to define the information or select **Auto** for tuning.

   Press ▲ or ▼ to select **Start Scan** and press OK to start tuning.

NOTE:

- The information should be given by your cable provider.
- **Network ID** is only available for **Quick Scan**.

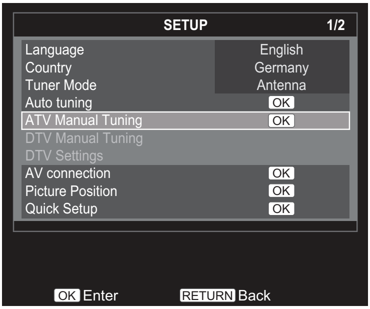
Manual Tuning

There are two TV modes: ATV and DTV that can be tuned-in manually using **Manual Tuning**.

ATV mode - Antenna/Cable

1. Press **MENU**. Press ◄ or ► to select **SETUP** and press OK to enter the sub-menu.

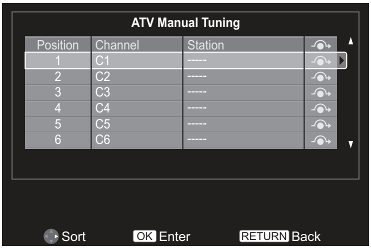
2. Press ▲ or ▼ to select **ATV Manual Tuning** and press OK to enter the submenu.



SETUP 1/2

Language	English
Country	Germany
Tuner Mode	Antenna
Auto tuning	OK
ATV Manual Tuning	OK
DTV Manual Tuning	
DTV Settings	
AV connection	OK
Picture Position	OK
Quick Setup	OK

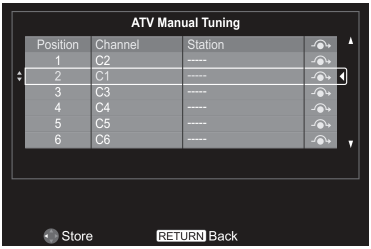
3. Press ▲ or ▼ to select the programme position you want to arrange and then press ►.



ATV Manual Tuning

Position	Channel	Station
1	C1	-----
2	C2	-----
3	C3	-----
4	C4	-----
5	C5	-----
6	C6	-----

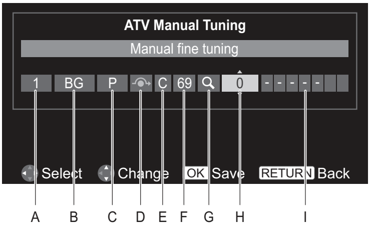
4. Press ▲ or ▼ to move through the list to your preferred position. As you do so the other stations will move to make room. Press ◄ to store programme position.



ATV Manual Tuning

Position	Channel	Station
1	C2	-----
2	C1	-----
3	C3	-----
4	C4	-----
5	C5	-----
6	C6	-----

5 Press OK to display the breakdown menu. Press ◄ or ► to select an item, then press ▲ or ▼ to select the item as shown below.


ATV Manual Tuning
Manual fine tuning
1
BG
P
C
69
0
- - - - - -
Select
Change
OK Save
RETURN Back
A
B
C
D
E
F
G
H
I

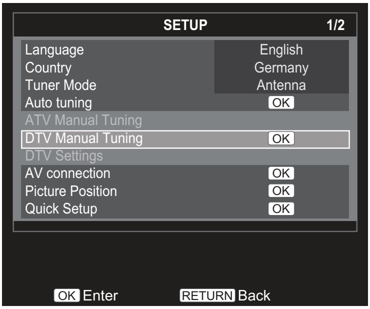
Position	Item	Description
A	Position	The number to be pressed on the remote control
B	System	Specific to certain areas
C	Colour system	Factory set to Auto, should only be changed if problems are experienced, i.e. NTSC input from external source
D	Skip	◉→ means nothing has been stored or the facility to skip the channel is **On**
E	Signal Class:	The channel classification
F	Channel	The channel number on which a station is being broadcast
G	Searching	Search up and down for a signal
H	Manual fine tuning	Turn on to execute fine tune function. Turn off to execute manual fine tune function
I	Station	Station identification. Use the ▲ or ▼ and ◄ or ► buttons to enter up to seven characters

6 Press OK to save.

DTV mode - Antenna

1 Press **MENU**. Press ◄ or ► to select **SETUP** and press OK to enter the sub-menu.

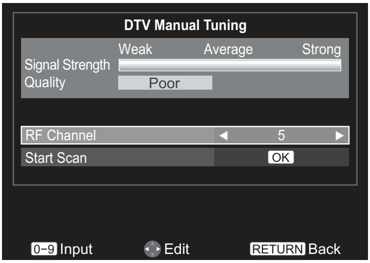
2 Press ▲ or ▼ to select **DTV Manual Tuning** and press OK to enter the submenu.


SETUP 1/2

Language English
Country Germany
Tuner Mode Antenna

Auto tuning OK
ATV Manual Tuning
DTV Manual Tuning OK
DTV Settings
AV connection OK
Picture Position OK
Quick Setup OK
OK Enter
RETURN Back

3 Press ▲ or ▼ to select **RF Channel** and press ◄ or ► to select or use number key pad on the remote to enter a channel.


DTV Manual Tuning

Quality Poor
RF Channel ◄ 5 ►

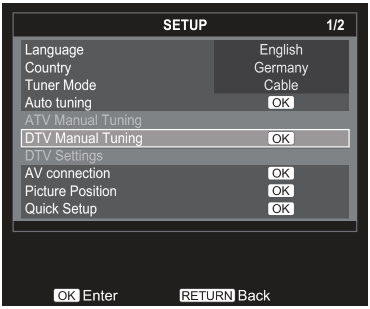
Weak
Average
Strong
Signal Strength
Start Scan OK
0–9 Input
Edit
RETURN Back

4 Press ▲ or ▼ to select **Start Scan** and press OK to start tuning.

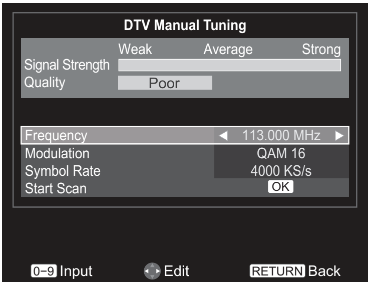
DTV mode - Cable

1. Press **MENU**. Press ◄ or ► to select **SETUP** and press OK to enter the submenu.

2. Press ▲ or ▼ to select **DTV Manual Tuning** and press OK to enter the submenu.


SETUP 1/2
Language English
Country Germany
Tuner Mode Cable
Auto tuning OK
ATV Manual Tuning
DTV Manual Tuning OK
DTV Settings
AV connection OK
Picture Position OK
Quick Setup OK

3. Press ▲ or ▼ to select **Frequency**, **Modulation** or **Symbol Rate**, and use number key pad on the remote to define the information.


DTV Manual Tuning
Signal Strength (Weak / Average / Strong)
Quality Poor
Frequency ◄ 113.000 MHz ►
Modulation QAM 16
Symbol Rate 4000 KS/s
Start Scan OK

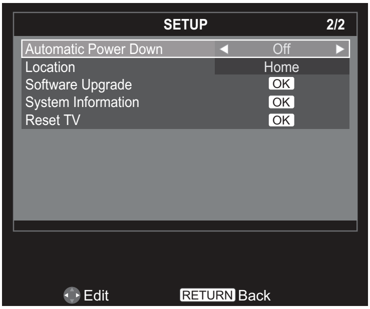
Press ▲ or ▼ to select **Start Scan** and press OK to start tuning.

Automatic Power Down

The TV will automatically turn itself off (standby) within 4 hours, if you do not touch the control buttons on the remote control or on the TV control panel. It will also automatically turn off if no input signal is detected after approximately 15 minutes.

1. In the **SETUP** menu, press ▲ or ▼ to select **Automatic Power Down**.

2. Press ◄ or ► to select **On** or **Off**.

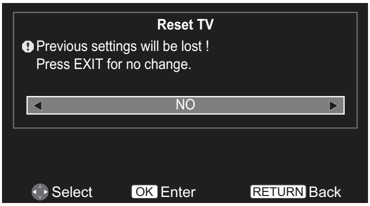

SETUP 2/2
Automatic Power Down ◄ Off ►
Location Home
Software Upgrade OK
System Information OK
Reset TV OK

Reset TV

Selecting **Reset TV** will reset all TV settings to their original factory values.

1. In the **SETUP** menu, press ▲ or ▼ to select **Reset TV** and press OK.

2. Press ◄ or ► to select **YES** to confirm or select **NO** to exit and press OK.


Reset TV
Previous settings will be lost !
Press EXIT for no change.
◄ NO ►

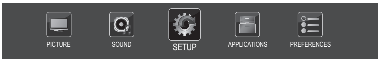
DTV Settings

Channels

The channel order may be changed to suit your personal preference.

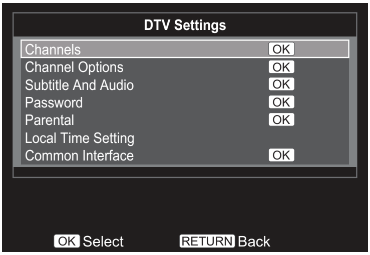
NOTE: This function is only available in DTV mode.

1 Press **MENU**. Press ◄ or ► to select **SETUP** and press OK to enter the submenu.



2 Press ▲ or ▼ to select **DTV Settings** and press OK to enter the submenu.

3 Press ▲ or ▼ to select **Channels** and press OK.

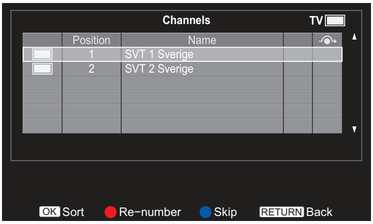


DTV Settings

Channels	OK
Channel Options	OK
Subtitle And Audio	OK
Password	OK
Parental	OK
Local Time Setting	
Common Interface	OK

OK Select RETURN Back

4 Press ▲ or ▼ to select **Channels**.



Channels TV

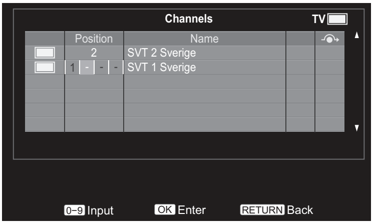
Position	Name
1	SVT 1 Sverige
2	SVT 2 Sverige

OK Sort ● Re-number ● Skip RETURN Back

Re-number

5 Press **PROGRAM** on the remote to renumber the highlighted channel.

6 Edit the channel number using the number keys on the remote and press OK.



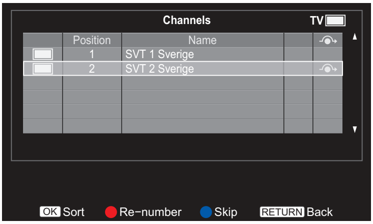
Channels TV

Position	Name
2	SVT 2 Sverige
1 - - -	SVT 1 Sverige

0-9 Input OK Enter RETURN Back

Skip

7 Press **BOOK MARK** on the remote. A icon appears.



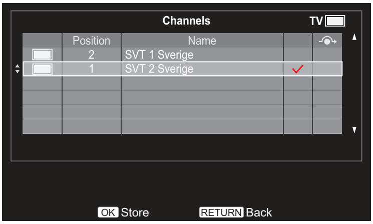
Channels TV

Position	Name
1	SVT 1 Sverige
2	SVT 2 Sverige

OK Sort ● Re-number ● Skip RETURN Back

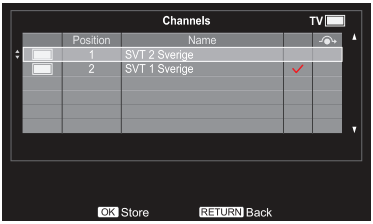
Sort

8 Press ▲ or ▼ to select the desired channel and then press OK. A tick icon appears.


Channels
TV
OK Store
RETURN Back

Position	Name	
2	SVT 1 Sverige	
1	SVT 2 Sverige	✓

9 Press ▲ or ▼ to select the channel you wish to swap with the one selected in Step 8 and then press OK.
The positions of the two channels are swapped.


Channels
TV
OK Store
RETURN Back

Position	Name	
1	SVT 2 Sverige	
2	SVT 1 Sverige	✓

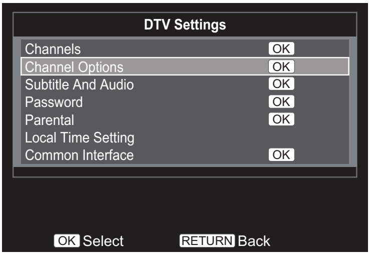
Channel Options

This function is to setup the Skip or Lock for currently watched channel.

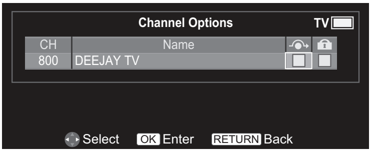
Skip Channels

The feature allows you to set channel that will be skipped when **P** ∧ or **P** ∨ are used to tune.

1 In the **DTV Settings** menu, press ▲ or ▼ to select **Channel Options**, and press OK to enter the submenu.


DTV Settings
Channels OK
Channel Options OK
Subtitle And Audio OK
Password OK
Parental OK
Local Time Setting
Common Interface OK
OK Select
RETURN Back

2 Press ◀ or ▶ to highlight the skip ( ) box.


Channel Options
TV
Select
OK Enter
RETURN Back

CH	Name		🔒
800	DEEJAY TV	☐	☐

3 Press OK to select. A tick appears in the box.

NOTE: Skipped channels cannot be selected by **P** ∧ or **P** ∨ but still be accessed by direct entry (when tuned a icon will be displayed in the banner to indicate as a skipped channel).

Parental Control

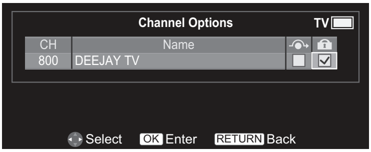
Locking channels stops the viewing of digital channels, and they can only be accessed by entering the password.

1 In the **DTV Settings** menu, press ▲ or ▼ to select **Channel Options**, and press OK to enter the submenu.

2 Press ◀ or ▶ to highlight the lock (🔒) box.

3 Press OK to select. A tick appears in the box.

If the password has already been set, password entry will be required to set the locked channels.


Channel Options
TV
Select
OK Enter
RETURN Back

CH	Name		🔒
800	DEEJAY TV	☐	☑

4 From this point on, when any of the channels in the **Channel Options** list are selected, the password must be entered before they can be accessed.

Subtitle and Audio

You can choose the **Subtitle Type** or **Audio Type** from **Normal** or **Hearing Impaired**. If the **Hearing Impaired** is selected, it provides subtitle services to deaf and hard of hearing viewers with additional descriptions.

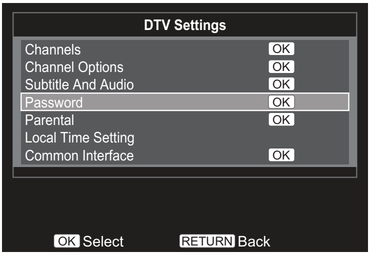
Subtitle Language or **Audio Language** allow a programme or film to be viewed with a choice of soundtrack language, provided they are currently being broadcast.

1. In the **DTV Settings** menu, press ▲ or ▼ to select **Subtitle And Audio**, and press OK to enter the submenu.
2. Press ▲ or ▼ to select **Subtitle Type** or **Audio Type** and press ◄ or ► to select **Normal** or **Hearing Impaired**.
3. Press ▲ or ▼ to select **Digital Subtitle Language**, **Digital Subtitle Language 2nd**, **Audio Language** or **Audio Language 2nd** and press ◄ or ► to select your preferred language.

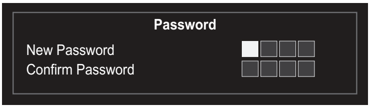
Password

Change the 4-digit parental control password.

1. In the **DTV Settings** menu, press ▲ or ▼ to select **Password**, and press OK to enter the submenu.



2. Enter a new 4-digit password, and re-enter the new password again to confirm.



Parental

This function blocks channels or programmes that you do not want to or that you do not want your children to watch.

A password is required to access this function.

NOTE: When **Password** is activated, you will need to enter the 4-digit password before you enter the **DTV Settings** submenu under the **SETUP** menu. After auto tuning, all the channel blocks will be cleared.

1. In the **DTV Settings** menu, press ▲ or ▼ to select **Parental**, and press OK to enter the submenu.
2. Enter the 4-digit password.
3. Press ◄ or ► to set the age rating from age 4~18 or select **None** to turn this function off.

NOTE:

- This function is available for programmes with Age Rating information.
- It doesn't operate according to the country setting.

Common Interface

The Common Interface Slot, situated on the side of the television, enables the insertion of a CAM (Conditional Access Module) and card. These are purchased from a service provider and allow additional subscription broadcasts to be viewed. For information, see a service provider.

1. Insert the CAM and card into the Common Interface Slot, following the instructions provided with the CAM. A box will appear on the screen to confirm that the CAM has been inserted.
2. In the **DTV Settings** menu, press ▲ or ▼ to select **Common Interface**, and press OK to enter the submenu.
3. Details of the CAM should now be available.

NOTE: The software updating of CI Plus CAM may be automatically executed. At this time, any Recording/Reminder programme timer will be cancelled.

General Controls

The General Controls will allow you to select channels and information, use the sound controls, personalise the picture style, and select external equipment.

Selecting Channels

To select a channel use the numbered buttons on the remote control.

Channels can also be selected using **P ∧** and **P ∨**.

Stereo and Bilingual Transmissions

If stereo or dual language broadcasts are transmitted, the word Stereo or Dual will appear on the screen each time channels are changed, disappearing after a few seconds. If the broadcast is not in stereo the word Mono will appear.

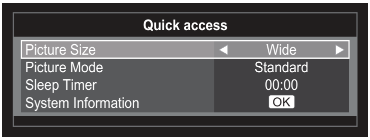
Stereo: Press ꝏ Ⅰ/Ⅱ to select **Stereo** or **Mono**.

Bilingual: If a bilingual programme is offered, the word **Dual** will display on screen. To change between languages, press ꝏ Ⅰ/Ⅱ to switch between **Dual 1** and **Dual 2**.

NOTE: In DTV mode, only the icon of the detected audio type will appear on screen.

Quick Access Menu

Quick access helps you access some options quickly such as **Picture Size**, **Picture Mode**, **Sleep Timer** and **System Information**. Press the **QUICK** button to display the **Quick access** menu and use ▲ or ▼ to select the option you would like to change.



Quick access

Picture Size	◄ Wide ►
Picture Mode	Standard
Sleep Timer	00:00
System Information	OK

NOTE: **Quick access** items are different depending on the current mode.

Subtitles

If Subtitles are available for your current programme, pressing the **SUBTITLE** button will toggle Subtitles select language or off.

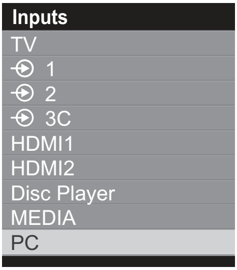
Picture Still

This feature is used to hold a still image on the screen. Press 🔽 to hold an image on the screen, press 🔽 again to cancel.

Input Selection

Use the **Input Selection** feature if the TV does not switch over automatically when using an external device.

Pressing ⇨, a list will appear on-screen showing all external equipment.
Use ▲ or ▼ to highlight and (OK) to select.



HDMI® displays equipment connected to Input HDMI on the back or the side of the TV. It is designed for best performance with 1080i/1080p high definition signals.

Sound Controls

Volume Controls and Mute Sound

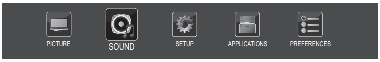
Volume
Press ◿− or ◿+ to adjust the volume.

Sound Mute
Press 🔇 on the remote once to turn the sound off and again to cancel.

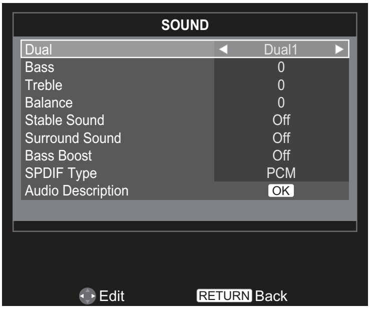
Dual

If a programme or film is being broadcast with a soundtrack in more than one language, the **DUAL** feature allows selection between them.

1. Press **MENU**. Press ◄ or ► to select **SOUND** and press OK to enter the sub-menu.



2. Press ▲ or ▼ to select **Dual**, and press ◄ or ► to choose between **Dual1** or **Dual2**.



SOUND

Dual	◄ Dual1 ►
Bass	0
Treble	0
Balance	0
Stable Sound	Off
Surround Sound	Off
Bass Boost	Off
SPDIF Type	PCM
Audio Description	OK

NOTE: Dual is only available in ATV mode.

Bass, Treble and Balance

The sound controls are accessible in digital and analogue modes.

1. Press **MENU**. Press ◄ or ► to select **SOUND** and press OK to enter the sub-menu.
2. Press ▲ or ▼ to select **Bass**, **Treble** or **Balance** and press ◄ or ► to change the setting.

Stable Sound

The **Stable Sound** feature limits high volume levels in order to prevent the extreme changes in volume that can occur when channels are changed or a programme switches to a commercial.

1. Press **MENU**. Press ◄ or ► to select **SOUND** and press OK to enter the sub-menu.
2. Press ▲ or ▼ to select **Stable Sound**, and press ◄ or ► to select **On** or **Off**.

Surround Sound

Surround Sound enhances depth of the sound.

1. Press **MENU**. Press ◄ or ► to select **SOUND** and press OK to enter the sub-menu.
2. Press ▲ or ▼ to select **Surround Sound**, and press ◄ or ► to select **On** or **Off**.

Bass Boost

Bass Boost enhances depth of the sound.

1. Press **MENU**. Press ◄ or ► to select **SOUND** and press OK to enter the sub-menu.
2. Press ▲ or ▼ to select **Bass Boost**, and press ◄ or ► to adjust the setting.

SPDIF Type

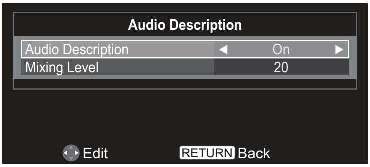
The feature allows you to select a digital audio format.

1. Press **MENU** and press ◄ or ► to select **SOUND**.
2. Press ▲ or ▼ to select **SPDIF Type**, and press ◄ or ► to select **PCM** or **Auto**.

Audio Description

Audio Description is an additional narration describing on-screen action, body language, expressions and movements for people with visual disabilities while watching the TV. This function enables you to choose the type of narrations.

1. Press **MENU**. Press ◄ or ► to select **SOUND** and press OK to enter the sub-menu.
2. Press ▲ or ▼ to select **Audio Description** and press OK to enter the submenu.
3. Press ▲ or ▼ to select **Audio Description**, and press ◄ or ► to select **On** or **Off**.



Audio Description

Audio Description ◄ On ►

Mixing Level 20

4. Press ▲ or ▼ to select **Mixing Level**, and press ◄ or ► to change the setting.

   NOTE: Mixing Level can only be adjusted when **Audio Description** is **On**.

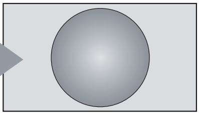
NOTE: Press the **AD** button on the remote control to switch the **Audio Description On** or **Off**.

Widescreen viewing

Depending on the type of broadcast being transmitted, programmes can be viewed in a number of formats.

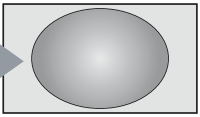
Wide (Expect PC)

Use this setting when watching a widescreen DVD, widescreen video tape or a 16:9 broadcast (when available). Due to the range of widescreen formats (16:9, 14:9, 20:9 etc.) black bars may be visible on the top and bottom of the screen.



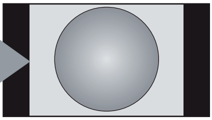
Wide (PC only)

This setting will show the picture without over scan and side panel when watching a PC signal source via HDMI or PC terminal.



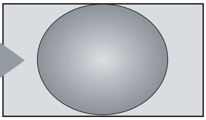
4:3

Use this setting to view a true 4:3 broadcast.



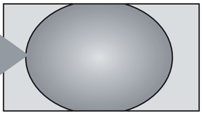
Super Live

This setting will enlarge a 4:3 image to fit the screen by stretching the image horizontally and vertically, holding better proportions at the centre of the image. Some distortion may occur.



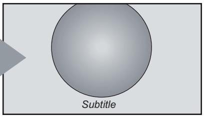
Cinema

When watching letterbox format films/ video tapes, this setting will eliminate or reduce the black bars at the top and bottom of the screen by zooming in and selecting the image without distortion.



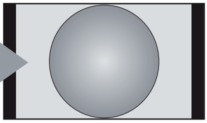
Subtitle

When subtitles are included on a letterbox format broadcast, this setting will raise the picture to ensure that all the text is displayed.



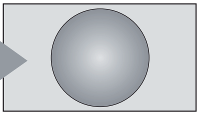
14:9

Use this setting when watching a 14:9 broadcast.



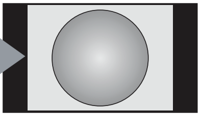
Native

When using a PC connected via HDMI this setting will show the picture without over scan, i.e. WYSIWYG.
This option is only available when watching video signal source via HDMI.



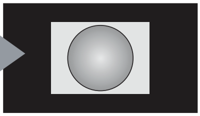
Normal

This setting will show the picture without over scan, i.e. WYSIWYG.
This option is only available when watching a PC signal source via HDMI or PC terminal.

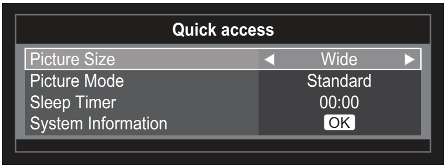


Dot by Dot

"Dot by Dot" is a non-scaling display. Depending on the input signal format, the setting will display the picture with side panels and/or bars at the top and bottom (i.e VGA input source).



Press **QUICK** to display the **Quick access** menu. Use ▲ or ▼ to select the **Picture Size**, and press ◄ or ► to select the option.



Quick access

Picture Size ◄ Wide ►
Picture Mode Standard
Sleep Timer 00:00
System Information OK

You can choose the picture size from Wide, 4:3, Super Live, Cinema, Subtitle, 14:9, Native, Normal or Dot by Dot.
Using the special functions to change the size of the displayed image (i.e. changing the height/width ratio) for the purposes of public display or commercial gain may infringe on copyright laws.

Available Picture Size and Position Control

		Wide	4:3	Super Live	Cinema	Subtitle	14:9	Native	Normal	Dot by Dot
ATV		o	o	o	o	o	o	x	x	x
DTV	SD	o	o	o	o	o	o	x	x	x
	HD	o	o	o	o	x	o	o	x	x
Scart		o	o	o	o	o	o	x	x	x
CVBS		o	o	o	o	o	o	x	x	x
YPbPr	SD	o	o	o	o	o	o	x	x	x
	HD	o	o	o	o	x	x	x	x	x
HDMI	SD	o	o	o	o	o	o	o	x	x
	HD	o	o	o	o	x	x	o	x	x
D-SUB		o	x	x	x	x	x	x	o	o
DVI		o	x	x	x	x	x	x	o	o
DISC		o	o	o	o	x	x	x	x	x

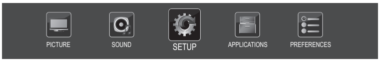
Picture Controls

Most of the picture controls and functions are available in both digital and analogue modes.
NOTE: Features not available will be greyed out.

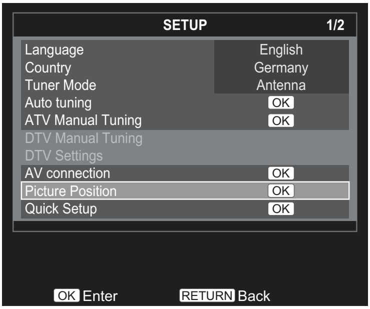
Picture Position

The Picture Position may now be adjusted to suit personal preference.

1. Press **MENU**. Press ◄ or ► to select **SETUP** and press OK to enter the submenu.

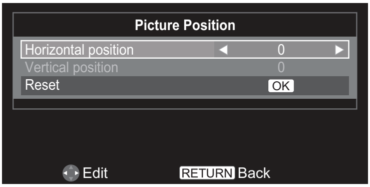


2. Press ▲ or ▼ to select **Picture Position** and press OK to enter the submenu.



SETUP	1/2
Language	English
Country	Germany
Tuner Mode	Antenna
Auto tuning	OK
ATV Manual Tuning	OK
DTV Manual Tuning	
DTV Settings	
AV connection	OK
Picture Position	OK
Quick Setup	OK

3. Press ▲ or ▼ to select an option you want to adjust, and press ◄ or ► to adjust the settings as required.

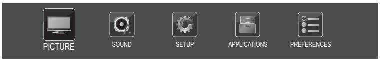


Picture Position	
Horizontal position	◄ 0 ►
Vertical position	0
Reset	OK

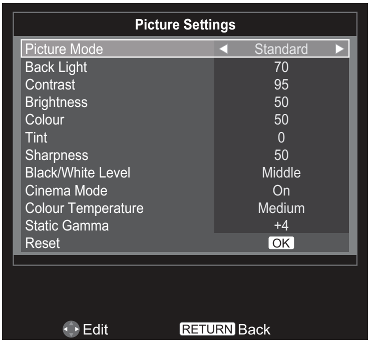
Picture Mode

You can adjust the picture appearance by selecting the preset value in picture mode based on the programme category.

1. Press **MENU**. Press ◄ or ► to select **PICTURE** and press OK to enter the submenu.



2. Press ▲ or ▼ to select **Picture Settings** and press OK to enter the submenu.



Picture Settings	
Picture Mode	◄ Standard ►
Back Light	70
Contrast	95
Brightness	50
Colour	50
Tint	0
Sharpness	50
Black/White Level	Middle
Cinema Mode	On
Colour Temperature	Medium
Static Gamma	+4
Reset	OK

3. Press ▲ or ▼ to select **Picture Mode** and press◄ or ► to select **Dynamic**, **Standard**, **Mild**, **Movie**, **Game** or **User**.
   NOTE: Game is not available for the TV input mode.

Picture Preferences

You can customise current picture mode settings while selecting **User**.

1. In the **Picture Settings** menu, press ▲ or ▼ to select **Back Light**, **Contrast**, **Brightness**, **Colour**, **Tint**, **Sharpness**.

2. Press ◄ or ► to suit your preference.

Black/White Level

This function increases the strength of dark areas of the picture, which improves picture definition.

1. In the **Picture Settings** menu, press ▲ or ▼ to select **Black/White Level**.
2. Press ◄ or ► to adjust the level from **Off**, **Low**, **Middle** to **High**. The effect depends on the broadcast and is most noticeable on dark colours.

Cinema Mode

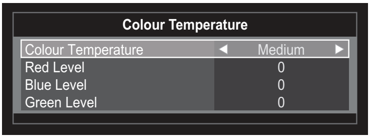
A movie film's picture runs at 24 frames a second, whereas movie software such as Blu-ray Disc™, DVD, etc., that you enjoy watching on television at home runs at 30 (NTSC) or 25 (PAL) frames a second. To convert this signal to reproduce a smooth motion and picture quality, select the **Cinema Mode**.

1. In the **Picture Settings** menu, press ▲ or ▼ to select **Cinema Mode**.
2. Press ◄ or ► to select **On** or **Off**.

Colour Temperature

Colour Temperature increases the 'warmth' or "coolness" of a picture by increasing the red or blue tint.

1. In the **Picture Settings** menu, press ▲ or ▼ to select **Colour Temperature**.
2. Press ▲ or ▼ to select **Colour Temperature** and press ◄ or ► to select **Medium**, **Cool** or **Warm** to suit your preference.



Colour Temperature

Colour Temperature	◄ Medium ►
Red Level	0
Blue Level	0
Green Level	0

3. Press ▲ or ▼ to select **Red Level**, **Blue Level** or **Green Level** and press ◄ or ► to adjust the settings as required.

Static Gamma

The static gamma feature allows you to adjust the levels of black in the picture.

1. In the **Picture Settings** menu, press ▲ or ▼ to select **Static Gamma**.
2. Press ◄ or ► to select the number of **Static Gamma** (-5~+5).

Reset

This feature resets all picture settings to the factory settings.

In the **Picture Settings** menu, press ▲ or ▼ to select **Reset** and press OK to reset settings.

NOTE: If any picture settings have not been changed, **Reset** is not available.

Active Backlight

When **Active Backlight Control** is activated, it will automatically optimise the backlighting levels for dark scenes.

1. Press **MENU**. Press ◄ or ► to select **PICTURE** and press OK to enter the submenu.
2. Press ▲ or ▼ to select **Active Backlight Control**.
3. Press ◄ or ► to select **On** or **Off**.

3D Colour Management

When **3D Colour management** is set to **On** it allows the **Base Colour Adjustment** feature to become available.

You can adjust the picture colour quality by selecting from 6 base colour adjustments : **Red, Green, Blue, Yellow, Magenta** or **Cyan**.

1. In the **PICTURE** menu, press ▲ or ▼ to select **3D Colour Management**.
2. Press ◄ or ► to select **On** or **Off**.

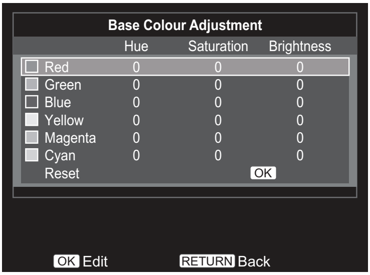
NOTE: When video content with subtitle is playing back, Cinema mode may not work correctly.

Base Colour Adjustment

The **Base Colour Adjustment** feature allows the adjustment of individual colours to suit personal preference. This can be useful when using an external source. It only can be adjusted when **3D Colour Management** is set to **On**.

1 In the **PICTURE** menu, press ▲ or ▼ to select **Base Colour Adjustment** and press OK to enter the submenu.

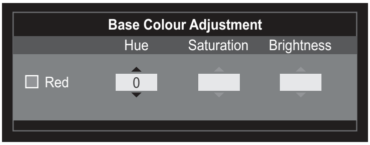
2 Press ▲ or ▼ to select an item you want to adjust and press OK.



Base Colour Adjustment

	Hue	Saturation	Brightness
☐ Red	0	0	0
☐ Green	0	0	0
☐ Blue	0	0	0
☐ Yellow	0	0	0
☐ Magenta	0	0	0
☐ Cyan	0	0	0
Reset		OK	

3 Press ◄ or ► to select **Hue, Saturation** or **Brightness.**



Base Colour Adjustment

	Hue	Saturation	Brightness
☐ Red	0		

4 Press ▲ or ▼ to adjust the settings as required.

NOTE: In the PC Input mode, this function is not available.

Digital Noise Reduction

DNR (Digital Noise Reduction) enables you to “soften” the screen representation of a weak signal to reduce the noise effect.

1 In the **PICTURE** menu, press ▲ or ▼ to select **DNR**.

2 Press ◄ or ► to select **Off, Low, Middle** or **High**.

MPEG NR – Noise Reduction

When watching a DVD, the compression may cause some words or picture elements to become distorted or pixelated.

Using the **MPEG NR** feature reduces this effect by smoothing out the edges.

1 In the **PICTURE** menu, press ▲ or ▼ to select **MPEG NR**.

2 Press ◄ or ► to select **Off, Low, Middle** or **High**.

Enjoy Photos through USB Port

The Photo Viewer allows you to playback image files from a USB flash drive.

Image	Photo	Resolution (Mstat suggest)	Required DRAM size (Mbytes)	Remark
JPEG	Base-line	15360x8704 (1920x8x1088x8)	3.96	Depends on RAM size
	Progressive	1024x768	6.00	
PNG	non-interface	9600x6400	3.66	
	interface	1200x800	3.66	
BMP		9600x6400	3.66	

IMPORTANT INFORMATION:

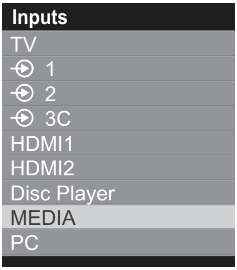
You must obtain any required permission from copyright owners to download or use copyrighted content. Toshiba cannot and does not grant such permission.

NOTE:

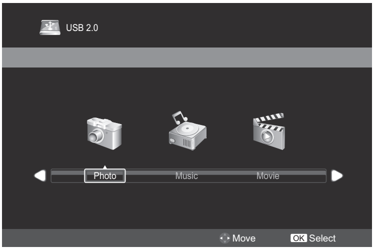
- Resolution is a reference design, limited only by DRAM (Dynamic Random Access Memory) size and performance
- The larger the resolution, the more memory required
- The smaller the resolution, the less performance required (decrease the time required to display a picture)
- A JPEG decoder is a hardware decoder, with a max resolution of 15360 x 8704
- A PNG/BMP decoder is a software decoder (running on a co-processor), with a max resolution that depends on DRAM size
- PAUSE, PLAY, STOP, SKIP and REV/FF key not work for Remote control
- Gently insert the USB flash drive into the port and do not remove while viewing Media
- USB flash drive: USB Mass Storage Class device (MSC)
- Connectivity is not guaranteed for all devices
- Connect the USB flash drive to the TV directly
- Non-supported characters will be replaced with a hyphen (-)
- Do not use a USB Hub
- Only limited types of U3 USB drive are supported. Therefore, it is suggested not to use U3 USB for playing Media

View Photo Files

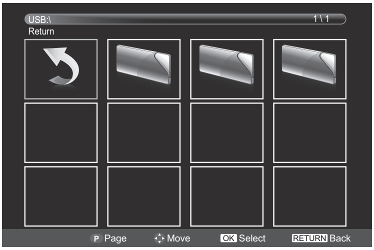
1. Insert a USB flash drive and press ⊕ on the remote.
   Use ▲ or ▼ to select **MEDIA** and press OK.


Inputs
TV
⊕ 1
⊕ 2
⊕ 3C
HDMI1
HDMI2
Disc Player
MEDIA
PC

2. Press ◄ or ► to select **Photo** and press OK to enter the submenu.

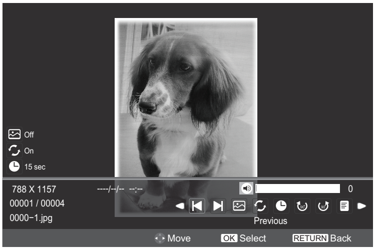

USB 2.0
Photo
Music
Movie
Move
OK Select

3. Press ▲, ▼, ◄ or ► to select the folder you wish to view and press OK to enter.
   Press **P** ∧ or **P** ∨ to page up or down.


USB:\
1 \ 1
Return
P Page
Move
OK Select
RETURN Back

4. Press ▲, ▼, ◄ or ► to select the desired photo and press OK to view.

5. Press **MENU** to change the settings when viewing a photo.


Off
On
15 sec
788 X 1157
00001 / 00004
0000−1.jpg
----/--/-- --:--
0
Previous
Move
OK Select
RETURN Back

Press ◄ or ► to:

- ⏮: Go to the previous photo
- ⏭: Go to the next photo
- 🖼: Select slide show mode
- 🔁: Select repeat mode
- 🕒: Select the desired interval time
- ↻: Clockwise rotation 90°
- ↺: Counterclockwise rotation 90°
- 📄: Show play list
- ♫: Set the background music
- ⓘ: Photo information

and press OK to confirm the setting.

Using Slide Show

This view allows you to watch a slide show of the photos. In this view mode, the only content that locates on the same directory shall be played.

1. Press **MENU** to change the settings when viewing a photo.

2. Press ◄ or ► to select 🖼 and press OK to turn **On** or **Off**.

NOTE: Slide show stops at the last photo in the directory.

Repeat Settings for Slideshow

1. Press **MENU** to change the settings when viewing a photo.

2. Press ◄ or ► to select 🔁 and press OK to turn **On** or **Off**.

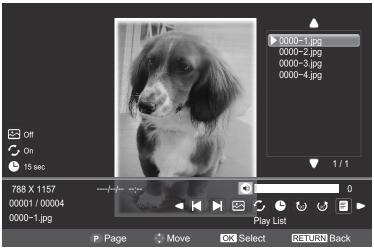
Set Interval Time

1. Press **MENU** to change the settings when viewing a photo.
2. Press ◄ or ► to select 🕒 and press OK to select the desired interval time (3/5/10/15/30/60/90 Sec).

NOTE: If **Repeat** is **On**, slide show starts photo viewing from the first photo in the folder after reaching the final photo.

Using the Play List

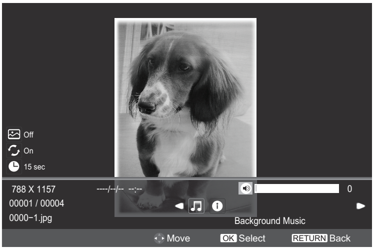
1. Press **MENU** to change the settings when viewing a photo.
2. Press ◄ or ► to select ▤ and press OK.
3. Press ▲ or ▼ to select a photo and press OK to show the photo. Press **RETURN** on the remote to collapse the list.


0000–1.jpg
0000–2.jpg
0000–3.jpg
0000–4.jpg
1 / 1
Off
On
15 sec
788 X 1157
00001 / 00004
0000–1.jpg
----/--/-- --:--
0
Play List
P Page
Move
OK Select
RETURN Back

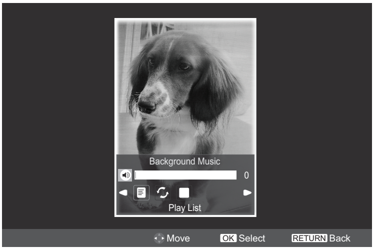
Background Music

Set the background music when viewing photo.

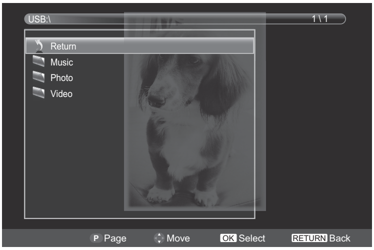
1. Press **MENU** to change the settings when viewing a photo.
2. Press ◄ or ► to select ♫ and press OK.


Off
On
15 sec
788 X 1157
00001 / 00004
0000–1.jpg
----/--/-- --:--
0
Background Music
Move
OK Select
RETURN Back

3. Press ◄ or ► to select ▤ and press OK.


Background Music
0
Play List
Move
OK Select
RETURN Back

Press ▲ or ▼ to select music and press OK to play music.
Press **RETURN** on the remote to collapse the list.

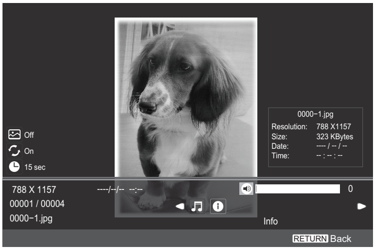

USB:\
1 \ 1
Return
Music
Photo
Video
P Page
Move
OK Select
RETURN Back

4. Press ◄ or ► to select 🔁 and press OK to select **One** or **Folder**.

Photo Info

Info displays the file status information (content number, photo title, shooting date and time, resolution etc.).

1. Press **MENU** to change the settings when viewing a photo.
2. Press ◄ or ► to select ⓘ and press OK.


0000–1.jpg
Resolution: 788 X1157
Size: 323 KBytes
Date: ---- / -- / --
Time: -- : -- : --

Off
On
15 sec
788 X 1157
00001 / 00004
0000–1.jpg
----/--/-- --:--
0
Info
RETURN Back

3. The information will be removed by time-out (about 15 sec) or press OK to exit.

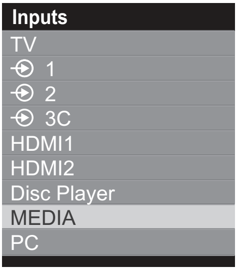
Enjoy Music through USB Port

The MP3 Player allows you to playback music files from a USB flash drive.

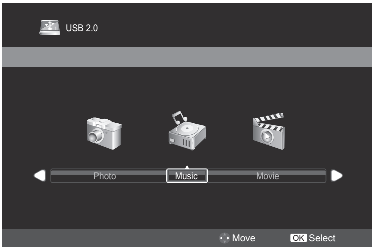
Audio Codec	File Extension	Bit Rate
MPEG1 Layer2	MP3	32kbps~ 448kbps(Bit rate) 32kHz ~ 48kHz(Sampling rate)
MPEG1 Layer3	MP3	32kbps ~ 320kbps(Bit rate) 32kHz ~ 48kHz(Sampling rate)

Play Music Files

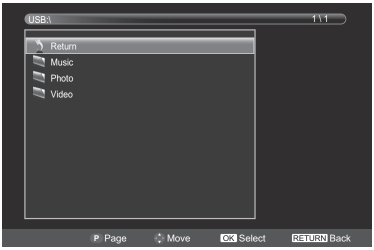
1 Insert a USB flash drive and press ⊕ on the remote.
Use ▲ or ▼ to select **MEDIA** and press OK.


Inputs
TV
⊕ 1
⊕ 2
⊕ 3C
HDMI1
HDMI2
Disc Player
MEDIA
PC

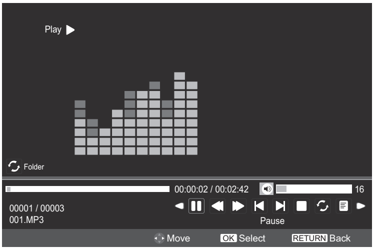
2 Press ◀ or ▶ to select **Music** and press OK to enter the submenu.


USB 2.0
Photo
Music
Movie
Move
OK Select

3 Press ▲ or ▼ to select the folder you wish to play and press OK to enter.
Press **P** ∧ or **P** ∨ to page up or down.


USB:\
1 \ 1
Return
Music
Photo
Video
P Page
Move
OK Select
RETURN Back

4 Press ▲ or ▼ to select the desired music and press OK to play.


Play ▶
Folder
00:00:02 / 00:02:42
16
00001 / 00003
001.MP3
Pause
Move
OK Select
RETURN Back

When listening music, press ◀ or ▶ to:

- ▶/⏸: Play or pause the selected music
- ⏪: Rewind the selected music
- ⏩: Fast forward the selected music
- ⏮: Go to the previous music
- ⏭: Go to the next music
- ■: Stop play
- 🔁: Select the desired repeat interval:
  - Repeat Off
  - Repeat One: Repeat the selected music once
  - Repeat Folder: Repeat all music files in the selected folder
- ≡: Show play list
- ⓘ: Music information

and press OK to confirm the setting.

Repeat Settings

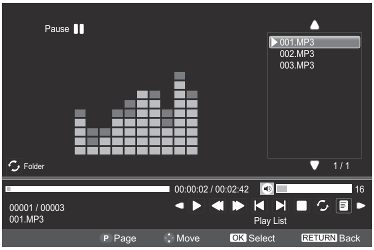
1. Press ◄ or ► to select 🔁.

2. Press OK to select **Off**, **One** or **Folder**.

Using the Play List

1. Press ◄ or ► to select 🗒 and press OK.

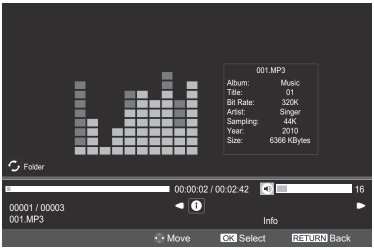
2. Press ▲ or ▼ to select music and press OK to play music.
   Press **RETURN** on the remote to collapse the list.


Pause
001.MP3
002.MP3
003.MP3
Folder
1 / 1
00:00:02 / 00:02:42
16
00001 / 00003
001.MP3
Play List
P Page
Move
OK Select
RETURN Back

Music Info

Info display file status information (content number, music title, Bit Rate, Artist, Sampling, Year, and size).

1. Press ◄ or ► to select ⓘ and press OK.


001.MP3
Album: Music
Title: 01
Bit Rate: 320K
Artist: Singer
Sampling: 44K
Year: 2010
Size: 6366 KBytes

Folder
00:00:02 / 00:02:42
16
00001 / 00003
001.MP3
Info
Move
OK Select
RETURN Back

2. The information will be removed by timeout (about 15 sec) or press OK to exit.

Enjoy Videos through USB Port

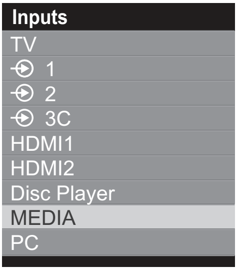
The Video Viewer allows you to playback video files from a USB flash drive.

File Extension	Container	Video Codec	SPEC	Bit Rate (Mbit/sec)	Profile	Remark
dat, mpg, mpeg	MPG, MPEG	MPEG1, 2	1080p@ 30fps	20	Main Profile	MP4: GMC is not supported
ts, trp, tp, m2ts	MPEG2-TS H.264-TS	MPEG2, H.264	1080p@ 30fps	20	H.264: Main Profile and High Profile @Level 4.0 MPEG2: MP@HL	
vob	MPEG2-PS	MPEG2	1080p@ 30fps	20	MPEG2: MP@HL	
mp4	AVI, MP4	MPEG4 Xvid 1.00, Xvid 1.01, Xvid 1.02, Xvid 1.03, Xvid 1.10-beta1/2 H.264	1080p@ 30fps	20	H.264: Main Profile and High Profile @Level 4.0 MPEG4: Simple Profile and Advanced Simple Profile @ Level 5	
mkv	MKV	H.264, MPEG1,2,4	1080p@ 30fps	20	H.264: Main Profile and High Profile @ Level 4.0 MPEG4: Simple Profile and Advanced Simple Profile @ Level 5	
avi	AVI(1.0, 2.0), DMF0,1,2	MPEG2, MPEG4 Xvid 1.00, Xvid 1.01, Xvid 1.02, Xvid 1.03, Xvid 1.10-beta1/2 H.264	1080p@ 30fps	20	MPEG2: MP@HL MPEG4: Simple Profile and Advanced Simple Profile @ Level 5	
Motion JPEG	AVI	JPEG	640x480 @ 30fps	10		

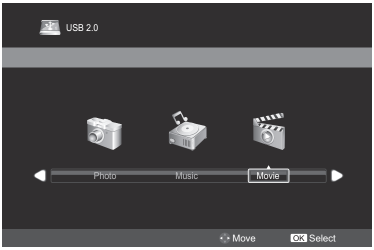
Play Video Files

1 Insert a USB flash drive and press ⊕ on the remote.

Use ▲ or ▼ to select **MEDIA** and press OK.

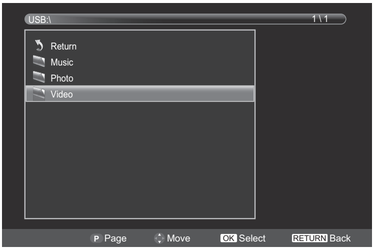

Inputs
TV
⊕ 1
⊕ 2
⊕ 3C
HDMI1
HDMI2
Disc Player
MEDIA
PC

2 Press ◄ or ► to select **Movie** and press OK to enter the submenu.


USB 2.0
Photo
Music
Movie
Move
OK Select

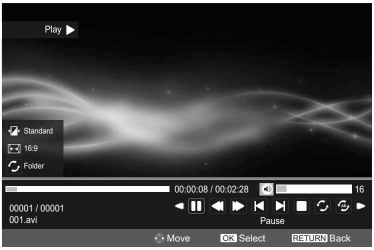
3 Press ▲ or ▼ to select the folder you wish to view and press OK to enter.

Press **P** ∧ or **P** ∨ to page up or down.


USB:\
1 \ 1
Return
Music
Photo
Video
P Page
Move
OK Select
RETURN Back

4 Press ▲ or ▼ to select the desired video and press OK to play.

5 Press **MENU** to change the settings when viewing a video.


Play ▶
Standard
16:9
Folder
00:00:08 / 00:02:28
16
00001 / 00001
001.avi
Pause
Move
OK Select
RETURN Back

Press ◄ or ► to:

- ▶/⏸: Play or pause the selected video
- ⏪: Fast back the selected video
- ⏩: Fast forward the selected video
- ⏮: Go to the previous video
- ⏭: Go to the next video
- ⏹: Stop play
- 🔁: Select the desired repeat interval:
  - Repeat Off
  - Repeat One: Repeat the selected video once
  - Repeat Folder: Repeat all video files in the selected folder
- 🔁: Repeat from A to B
  - Set A: A-Set Repeat and Start
  - Set B: B-Set Repeat and repeat from A to B
- ☰: Show play list
- ⓘ: Video information
- ▶: Slow forward the selected video
- ⏭: Step forward the selected video
- ▨: Aspect Ratio
- ▭: Picture Mode
- ⏱: Allows you to input a search time

and press OK to confirm the setting.

Repeat Settings

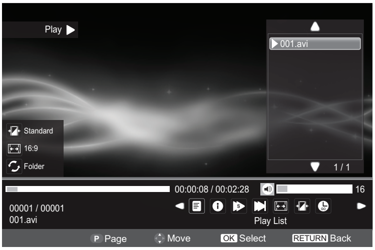
1. Press **MENU** to change the settings when playing a video.
2. Press ◄ or ► to select ⟳ and press OK to select **Off**, **One** or **Folder**.

Set

1. Press **MENU** to change the settings when playing a video.
2. Press ◄ or ► to select ⟳ and press OK to select **Set A**, **Set B** or **None**.

Using the Play List

1. Press **MENU** to change the settings when playing a video.
2. Press ◄ or ► to select ▤ and press OK.
3. Press ▲ or ▼ to select a video and press OK to play the video.
   Press **RETURN** on the remote to collapse the list.


Play ▶
▲
▶ 001.avi
▼ 1 / 1
Standard
16:9
Folder
00:00:08 / 00:02:28
16
00001 / 00001
001.avi
Play List
P Page
Move
OK Select
RETURN Back

Slow Forward

The feature changes forward speeds.

1. Press **MENU** to change the settings when playing a video.
2. Press ◄ or ► to select ⏩ and press OK to select **SF2X**, **SF4X**, **SF8X**, **SF16X** or **Play**.

Step Forward

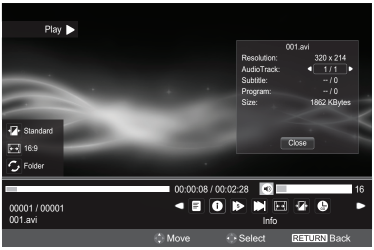
The feature allows you to view a video one frame at a time.

1. Press **MENU** to change the settings when playing a video.
2. Press ◄ or ► to select ⏭ and press OK to play step by step.

Video Info

Info display file status information (content number, video title, audio track, subtitle, program, size, etc.).

1. Press **MENU** to change the settings when playing a video.
2. Press ◄ or ► to select ⓘ and press OK.


001.avi
Resolution: 320 x 214
AudioTrack: 1 / 1
Subtitle: -- / 0
Program: -- / 0
Size: 1862 KBytes

Play ▶
Close
Standard
16:9
Folder
00:00:08 / 00:02:28
16
00001 / 00001
001.avi
Info
Move
Select
RETURN Back

3. The information will be removed by timeout (about 15 sec) or press OK to exit.

Aspect Ratio

1. Press **MENU** to change the settings when playing a video.
2. Press ◄ or ► to select ◪ and press OK to select **Native**, **4:3** or **16:9**.

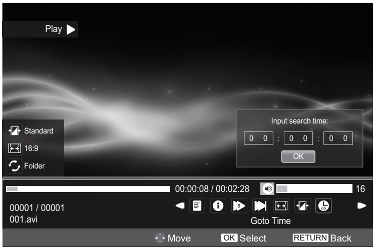
Picture Mode

1. Press **MENU** to change the settings when playing a video.
2. Press ◄ or ► to select ↔ and press OK to select **Standard**, **Mild**, **Movie** or **Dynamic**.

Goto Time

The feature allows you to view a selected time during the video.

1. Press **MENU** to change the settings when playing a video.
2. Press ◄ or ► to select 🕒 and press OK.
3. Use the number key pad on the remote to enter time. Press OK to go to the input time.



Standard
16:9
Folder

Input search time:
0 0 : 0 0 : 0 0

00:00:08 / 00:02:28
16
00001 / 00001
001.avi

Play ▶
OK
Goto Time
Move
OK Select
RETURN Back

HDMI-LINK Controls

This feature uses **CEC** (Consumer Electronics Control) technology, and allows the control of Toshiba **HDMI-LINK** compatible equipment from the television's remote control.

NOTE: Not all Toshiba products currently support **HDMI-LINK**.

Equipment Control

The **HDMI-LINK** mode on the television's remote control allows the control of connected **HDMI-LINK** equipment being watched.

To control the **HDMI-LINK** input source, first select the equipment with **HDMI-LINK** input source selection, then switch the mode on the remote control to **HDMI-LINK** and press any buttons.

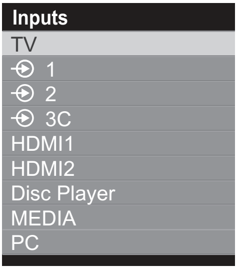
The available functions are dependent on the equipment connected. Not all the remote control keys may be available. Please refer to the operation manual for each piece of equipment connected.

NOTE: The television features that can be controlled by the connected equipment are: Standby, Volume and Sound Mute.

Input Source Selection

When any equipment using **CEC** technology is connected, the **HDMI-LINK** icon will appear in the input source list allowing selection of individual devices.

Press ⊕. A list will appear on screen showing modes and all stored external equipment.



HDMI-LINK Menus

By activating the **Enable HDMI-LINK** feature in the **HDMI-LINK** setup menu, individual **HDMI-LINK** features can then be activated.

One Touch Play

The function of **HDMI-LINK** will automatically power on the television that was in standby mode and switch the television's input source to the port connected with the audio/video equipment by powering-on or playing from the audio/video equipment.

NOTE: This feature is dependent on the connected equipment and television setting.

System Standby

This feature automatically switches the connected equipment into standby when the television goes into standby and conversely for the television to switch into standby when connected equipment goes into standby. It is selected in the **HDMI-LINK** setup menu.

NOTE: This feature is dependent on the connected equipment and television setting.

System Audio Control

Using the **Speaker Preference** feature allows the television's remote control to adjust the volume or mute the sound of the speakers connected to the television via an AV amplifier.

Ensure that the connected AV amplifier and **HDMI-LINK** equipment are selected in the input source selection and that the **Speaker Preference** is set to **Audio Receiver** in the **HDMI-LINK** setup menu.

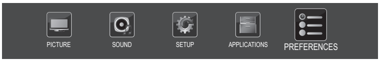
NOTE: When the AV Amplifier is switched on, its input source changed or the volume adjusted, the sound will be output from the AV Amplifier's speakers even if TV speakers has been selected. Turn the television off then on again to output the sound from the TV's speakers.

The full function may not work and is dependent on the amplifier being used.

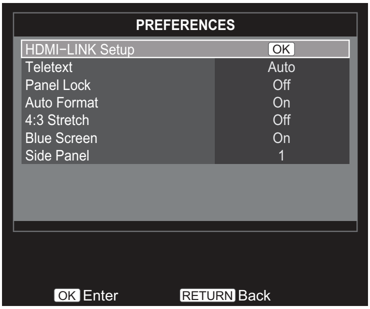
Enable HDMI-LINK

When the **Enable HDMI-LINK** is set to **On**, it allows the other functions to be enabled.

1. Press **MENU**. Press ◄ or ► to select **PREFERENCES** and press OK to enter the submenu.



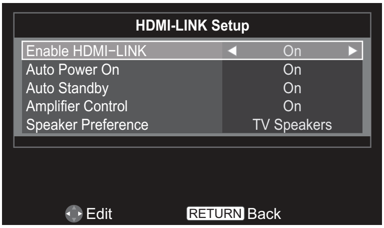
2. Press ▲ or ▼ to select **HDMI-LINK Setup**, and press OK to enter the submenu.



PREFERENCES

HDMI−LINK Setup	OK
Teletext	Auto
Panel Lock	Off
Auto Format	On
4:3 Stretch	Off
Blue Screen	On
Side Panel	1

3. Press ▲ or ▼ to select **Enable HDMI-LINK**, and press ◄ or ► to select **On** or **Off**.



HDMI-LINK Setup

Enable HDMI−LINK	◄ On ►
Auto Power On	On
Auto Standby	On
Amplifier Control	On
Speaker Preference	TV Speakers

Auto Power On

The **Auto Power On** setting allows the television to be automatically switched **On** or **Off** if a **HDMI-LINK** device is turned on or off.

1. In the **HDMI-LINK Setup** menu, press ▲ or ▼ to select **Auto Power On**.
2. Press ◄ or ► to select **On** or **Off**.

Auto Standby

When the **Auto Standby** is enabled, switching off the television will automatically switch off all connected **HDMI-LINK** equipment.

1. In the **HDMI-LINK Setup** menu, press ▲ or ▼ to select **Auto Standby**.
2. Press ◄ or ► to select **On** or **Off**.

Amplifier Control

1. In the **HDMI-LINK Setup** menu, press ▲ or ▼ to select **Amplifier Control**.
2. Press ◄ or ► to select **On** or **Off**.

Speaker Preference

This feature allows the audio output preference to be set to the TV speakers or AV amplifier speakers. The AV Amplifier option lets the television’s remote control adjust or mute the volume of the audio.

1. In the **HDMI-LINK Setup** menu, press ▲ or ▼ to select **Speaker Preference** when **Amplifier Control** is **On**.
2. Press ◄ or ► to select **TV Speakers** or **Amplifier**.

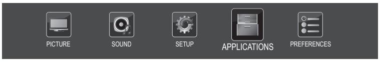
NOTE: This function is only available when the TV is connected to audio receivers that support CEC function.

Preference Controls

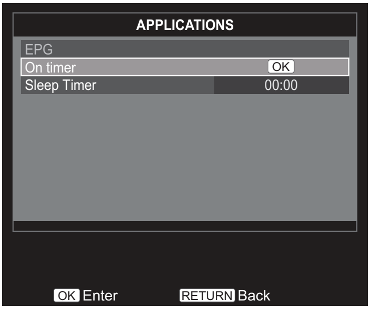
On Timer

This feature allows you to set the television to turn on automatically to a preset channel at a certain time of day or after a certain length of time. When **On timer** is set to **On**, the green On Timer indicator on the front of the television is lit.

1 Press **MENU**. Press ◄ or ► to select **APPLICATIONS** and press OK to enter the submenu.



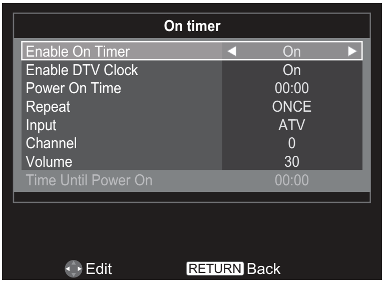
2 Press ▲ or ▼ to select **On timer** and press OK to enter the submenu.



APPLICATIONS

EPG	
On timer	OK
Sleep Timer	00:00

3 Press ▲ or ▼ to select **Enable On Timer** and press ◄ or ► to select **On** or **Off**.



On timer

Enable On Timer	◄ On ►
Enable DTV Clock	On
Power On Time	00:00
Repeat	ONCE
Input	ATV
Channel	0
Volume	30
Time Until Power On	00:00

NOTE: The settings are only available when **Enable On Timer** is **On**.

4 Press ▲ or ▼ to select **Enable DTV Clock** and press ◄ or ► to select **On** or **Off**.

NOTE: Power On Time and **Repeat** are only available when **Enable DTV Clock** is **On**.

5 Press ▲ or ▼ to select **Power On Time** and press ◄ or ► or use the number key pad on the remote to enter the time.

6 Press ▲ or ▼ to select **Repeat** and press ◄ or ► to select **ONCE**, **DAILY**, **Mon.~Fri.**, **Mon.~Sat.** or **Sat.~Sun.**

7 Press ▲ or ▼ to select **Input** and press ◄ or ► to select **ATV**, **EXT 1**, **EXT 2**, **EXT 3**, **HDMI 1**, **HDMI 2**, **PC** or **DTV**.

8 For DTV, press ▲ or ▼ to select **Channel** and press ◄ or ► to change the channel number.

For ATV, press ▲ or ▼ to select **Channel** and press ◄ or ► to change the channel number or use the number key pad on the remote to enter the channel number.

NOTE:

- **Channel** is only available when the **Input** is **ATV** or **DTV**.
- Blank screen will appear if not tuned.

9 Press ▲ or ▼ to select **Volume** and press ◄ or ► to modify the volume, or use the number key pad on the remote to enter the volume.

10 Press ▲ or ▼ to select **Time Until Power On** and press ◄ or ► or use the number key pad on the remote to enter the time for the TV to turn on automatically.

NOTE: Time Until Power On is only available when **Enable DTV Clock** is **Off**.

Sleep Timer

The television can be set to turn itself off after a certain length of time.

1 Press **MENU** and press ◄ or ► to select **APPLICATIONS**.

2 Press ▲ or ▼ to select **Sleep Timer** (Turn off the TV).

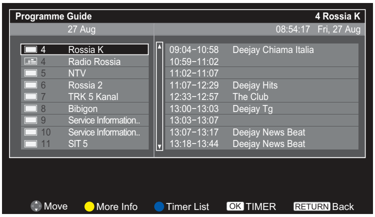
3 Press ◄ or ► to modify the time the TV should turn off, or use the number key pad on the remote to enter the time.

EPG

EPG (Electronic Programme Guide) supports 9 sets of timers. You can set or cancel a timer for a selected programme within the guide. When the TV is on and the timer activates, a dialogue box is shown informing you that the programme is about to start. When the TV is in standby mode and the timer activates, the TV will wake up with backlight off, speaker mute on, and change to the channel selected.

You must set the time correctly before using this function. All set timers are cleared when performing a new channel scan.

1. Press **GUIDE** on the remote to display the **Programme Guide**.



Programme Guide 4 Rossia K

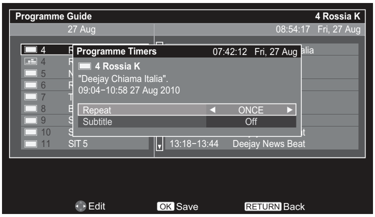
27 Aug 08:54:17 Fri, 27 Aug

4	Rossia K
4	Radio Rossia
5	NTV
6	Rossia 2
7	TRK 5 Kanal
8	Bibigon
9	Service Information..
10	Service Information..
11	SIT 5

09:04–10:58	Deejay Chiama Italia
10:59–11:02	
11:02–11:07	
11:07–12:29	Deejay Hits
12:33–12:57	The Club
13:00–13:03	Deejay Tg
13:03–13:07	
13:07–13:17	Deejay News Beat
13:18–13:44	Deejay News Beat

2. Press ▲ or ▼ to select the desired channel and press Ⓞⓚ to enter the programme schedule.

3. Press ▲ or ▼ to select the desired programme and press Ⓞⓚ to enter the **TIMER** menu.



Programme Guide 4 Rossia K

27 Aug 08:54:17 Fri, 27 Aug

Programme Timers 07:42:12 Fri, 27 Aug

4 Rossia K

"Deejay Chiama Italia".

09:04–10:58 27 Aug 2010

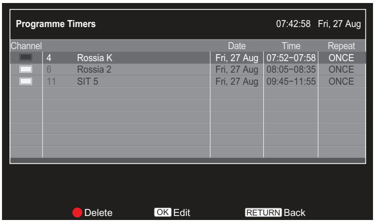
Repeat	◄ ONCE ►
Subtitle	Off

11 SIT 5 13:18–13:44 Deejay News Beat

Press ▲ or ▼ to select **Repeat** or **Subtitle** and press ◄ or ► to adjust the settings as required.

Press Ⓞⓚ to save the settings.

4. Press **BOOK MARK** on the remote to enter the **Timer List** menu.

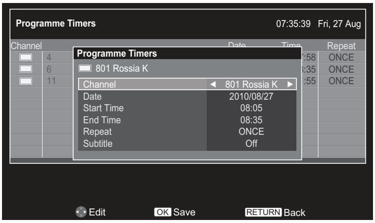


Programme Timers 07:42:58 Fri, 27 Aug

Channel			Date	Time	Repeat
	4	Rossia K	Fri, 27 Aug	07:52–07:58	ONCE
	6	Rossia 2	Fri, 27 Aug	08:05–08:35	ONCE
	11	SIT 5	Fri, 27 Aug	09:45–11:55	ONCE

5. Press ▲ or ▼ to select the desired programme and press Ⓞⓚ to edit.

NOTE: Press **PROGRAM** on the remote to delete the timer.



Programme Timers 07:35:39 Fri, 27 Aug

Programme Timers

801 Rossia K

Channel	◄ 801 Rossia K ►
Date	2010/08/27
Start Time	08:05
End Time	08:35
Repeat	ONCE
Subtitle	Off

Press ▲ or ▼ to select **Channel**, **Date**, **Start Time**, **End Time**, **Repeat** or **Subtitle** and press ◄ or ► to adjust the settings as required.

Press Ⓞⓚ to save the settings.

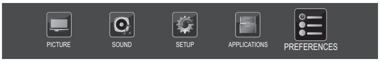
NOTE:

- When the timer is set, the Timer LED on the front panel lights on.
- After adjustment, the TV clock may not match the time in the EPG Programme Guide. The EPG Programme Guide time follows the broadcast stream time which can not be adjusted.

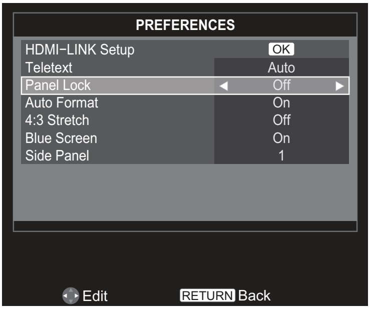
Panel Lock

Panel Lock disables the buttons on the television. All buttons on the remote control can still be used.

1 Press **MENU**. Press ◄ or ► to select **PREFERENCES** and press OK to enter the submenu.



2 Press ▲ or ▼ to select **Panel Lock and** press ◄ or ► to select **On** or **Off**.


PREFERENCES

HDMI−LINK Setup	OK
Teletext	Auto
Panel Lock	◄ Off ►
Auto Format	On
4:3 Stretch	Off
Blue Screen	On
Side Panel	1

When **Panel Lock** is **On**, a reminder will appear when the buttons on the television are pressed. If the standby button is pressed the television will switch off and can only be brought out of standby by using the remote control.

Auto Format (Widescreen)

When this television receives a true Widescreen picture and **Auto format** is **On**, it will automatically be displayed in Widescreen format, irrespective of the television's previous setting.

1 In the **PREFERENCES** menu, press ▲ or ▼ to select **Auto Format**.

2 Press ◄ or ► to select **On** or **Off**.

4:3 Stretch

When **4:3 Stretch** is activated, this function will switch 4:3 format programmes into a full screen picture.

1 In the **PREFERENCES** menu, press ▲ or ▼ to select **4:3 Stretch**.

2 Press ◄ or ► to select **On** or **Off**.

NOTE: In HDMI signal format, this function is available.

Blue Screen

When Blue Screen is selected, the screen will turn blue and the sound will be muted when no signal is received.

1 In the **PREFERENCES** menu, press ▲ or ▼ to select **Blue Screen**.

2 Press ◄ or ► to select **On** or **Off**.

NOTE: This function is not available in DTV mode.

Side Panel

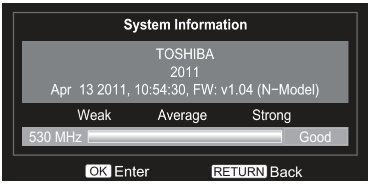
The **Side Panel** feature lightens or darkens the band each side of the screen when in 4:3 or 14:9 format. This helps prevent image retention of the band and can also make viewing in bright or dark conditions more comfortable.

1 In the **PREFERENCES** menu, press ▲ or ▼ to select **Side Panel**.

2 Press ◄ or ► to adjust the settings as required.

System Information

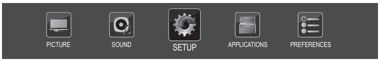
In the **SETUP** menu, press ▲ or ▼ to select **System Information** and press OK to display the model information and firmware version.


System Information

TOSHIBA
2011
Apr 13 2011, 10:54:30, FW: v1.04 (N−Model)

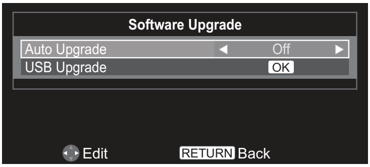
Software Upgrade

1 Press **MENU**. Press ◄ or ► to select **SETUP** and press OK to enter the submenu.


PICTURE
SOUND
SETUP
APPLICATIONS
PREFERENCES

2 Press ▲ or ▼ to select **Software Upgrade** and press OK to enter the submenu.

3 Press ▲ or ▼ to select **Auto Upgrade** and press ◄ or ► to select **On** or **Off**.


Software Upgrade

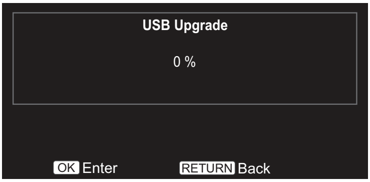
Auto Upgrade ◄ Off ►

USB Upgrade OK

Edit
RETURN Back

4 Insert a USB flash drive.

Press ▲ or ▼ to select **USB Upgrade** and press OK to start upgrading the firmware.


USB Upgrade

0 %

OK Enter
RETURN Back

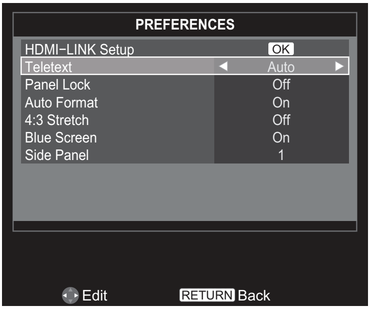
NOTE: Firmware upgrading is suggested to be done by the professional service personnel.

Text Services and Text Information

This television has a multi-page text memory, which takes a few moments to load.

Setting the Modes

1 In the **PREFERENCES** menu, press ▲ or ▼ to select **Teletext**.



PREFERENCES

HDMI-LINK Setup	OK
Teletext	◀ Auto ▶
Panel Lock	Off
Auto Format	On
4:3 Stretch	Off
Blue Screen	On
Side Panel	1

2 Press ◀ or ▶ to select **Auto** or **LIST**.

Navigating Pages using Auto

If Fastext is available, four coloured titles will appear at the base of the screen.

To access one of the four given subjects, press the relevant coloured button on the remote control.

For further information on your particular text system(s), see the broadcast text index page or, consult your local Toshiba dealer.

Navigating Pages using LIST

If Fastext is available, four coloured titles with numbers 100, 200, 300 and 400 have been programmed into the television’s memory.

To view these pages press the relevant coloured buttons.

To change these stored pages press the relevant coloured button and enter a new 3 digit number. This number will change in the top left of the screen and in the coloured highlight. Press OK to store. The bars at the bottom of the screen will flash white. Whenever OK is pressed all four page numbers showing at the bottom will be stored and the previous ones will be lost.

If OK is not pressed the selection will be forgotten when text is cancelled.

Other pages may be viewed by entering the 3 digit page number – but DO NOT press OK or these pages will be stored.

Control Buttons

Below is a guide to the functions of the remote control text buttons.

⊟i Displays the index/initial page:
Press ⊟i to access the index/initial page. The page displayed is dependant on the broadcaster.

⊟? Reveals concealed text:
To discover the solutions on quiz and joke pages press the ⊟? button.

⊟⇆ Holds a wanted page:
At times it is convenient to hold a page of text. Press ⊟⇆ and ⊟⇆ will appear in the top left of the screen. The page will be held on-screen until the button is pressed again.

⊟↕ Enlarges the text display size:
Press ⊟↕ once to enlarge the top half of the page, press again to enlarge the bottom half of the page. Press again to revert to normal size.

◷/⊠ Selects a page while viewing a normal picture:
Enter the page number then press ◷/⊠, a normal picture will be displayed. The television will indicate when the page is present by displaying the page number at the top of the screen.

To display news flashes:
Select the news flash page for the chosen text service (see the index page of your text service).
By pressing ◷/⊠, news flashes will be displayed as and when they are broadcast. Press ◷/⊠ again to cancel the display.

How to change the page:
Press ▲ or ▼ to change the page.
Press ◀ or ▶ to change the sub page when a sub page is available.
The news flash page must be cancelled before changing channels.

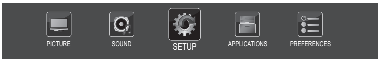
PC Settings

- Most of the picture controls and functions are available. However features not available will be greyed out.
- In the PC input mode, the **Manual Setting** is not displayed.
- First press ⊕ until the video input mode list appears on the screen, then press ▲ or ▼ and OK in order to select the PC input mode.
- This function may not be available for some signal or if no signal is received.
- The optimum points of the clock phase and sampling clock adjustments may be incomprehensible according to the input signals.

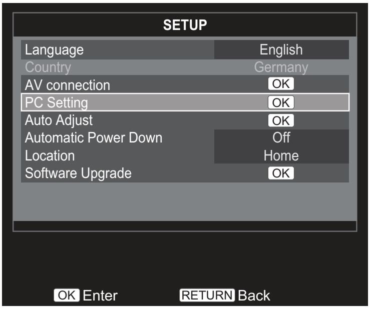
Horizontal and Vertical Position

Connect the PC (as shown in the “Connecting a Computer” section) and ensure that a picture is showing on the television screen. The picture position may now be adjusted to suit personal preference.

1 Press **MENU**. Press ◄ or ► to select **SETUP** and press OK to enter the sub-menu.



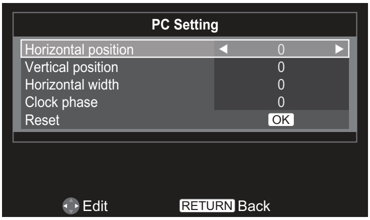
2 Press ▲ or ▼ to select **PC Setting**, and press OK to enter the submenu.



SETUP

Language	English
Country	Germany
AV connection	OK
PC Setting	OK
Auto Adjust	OK
Automatic Power Down	Off
Location	Home
Software Upgrade	OK

3 Press ▲ or ▼ to select **Horizontal Position** or **Vertical Position** and press ◄ or ► to adjust the settings as required.



PC Setting

Horizontal position	◄ 0 ►
Vertical position	0
Horizontal width	0
Clock phase	0
Reset	OK

Horizontal Width

1 In the **PC Setting** menu, press ▲ or ▼ to select **Horizontal width**.

2 Press ◄ or ► to adjust the settings as required.

Clock Phase

The **Clock phase** matches the PC signal with the LCD display.

Adjusting this can clear horizontal stripes and picture blur.

1 In the **PC Setting** menu, press ▲ or ▼ to select **Clock phase**.

2 Press ◄ or ► to obtain a clear picture.

Reset

This feature resets all PC settings to the factory settings.

Note: If any PC settings have not been changed, **Reset** is not available.

1 In the **PC Setting** menu, press ▲ or ▼ to select **Reset**.

2 Press OK.

NOTE:

- When a PC is connected using HDMI none of these functions will be available.
- The screen is disrupted momentarily when adjusting PC setting. This is not a sign of malfunction.
- The default settings and adjustment ranges may vary depending on the input signal format.

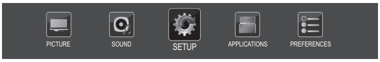
Input Selection and AV Connections

Use the Input Selection feature if the television does not switch over automatically when using an external device.

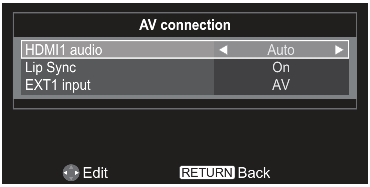
HDMI1 Audio

If the connected HDMI source does not support digital audio, plug the audio cable into **PC/ HDMI (AUDIO)** on the back of the television (as shown in the “Connecting an HDMI or DVI device to the HDMI input” section), then use the HDMI 1 Audio setting.

1. Press **MENU**. Press ◄ or ► to select **SETUP** and press OK to enter the submenu.



2. Press ▲ or ▼ to select **AV connection**, and press OK to enter the submenu.
3. Press ▲ or ▼ to select **HDMI1 audio**, press ◄ or ► to select **Auto**, **Digital** or **Analogue**.



AV connection

HDMI1 audio	◄ Auto ►
Lip Sync	On
EXT1 input	AV

NOTE: The **Lip Sync** function is only available in HDMI mode.

Lip Sync Mode

This option activates an auto audio/video display timing adjustment function that allows HDMI source devices to accurately perform synchronization automatically.

All of the above HDMI settings require a proper HDMI source device.

If HDMI source products do not support these functions, the TV may not work properly when activating these functions.

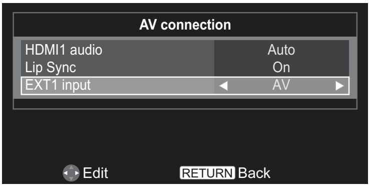
NOTE:

- In a non-HDMI signal mode, this function is not available.
- In your HDMI connection is capable of 1080p and/or your TV is capable of refresh rates greater than 60Hz or supports Deep Colour, you will need a Category2 cable. Conventional HDMI/DVI cables may not work properly with this mode.

Input Signal Selection

You can select source of **AV** or **S-VIDEO** from this function.

1. In the **AV connection** menu, press ▲ or ▼ to select **EXT1 input**.
2. Press ◄ or ► to select **AV** or **S-VIDEO**.



AV connection

HDMI1 audio	Auto
Lip Sync	On
EXT1 input	◄ AV ►

Disc Playback

Blu-ray Disc™ Player functions are described in the following sections: Disc Playback, Playable Discs and Connecting to Network (For BD-LIVE™).

Wide Playback Compatibility

Play with Various Media

This TV can playback the Blu-ray Disc™, DVD, and CD.

AVCHD

Supports AVCHD, a new recording format of high-definition video for use in camcorder.

Blu-ray Disc™ Applications

BD-J

Java applications (BD-J) compatibility of this TV enables you to play games and interactive content adding to main story view in BD-J software playback.

PIP (BONUSVIEW™)

In PIP-featured Blu-ray Disc™ software playback, you can enjoy parallel view of primary video and secondary video at scenes subcontent included.

BD-LIVE™

This TV supports BD-LIVE™. To play BD-LIVE™, connect this TV to the internet. (Available BD-LIVE™ content depends on the Blu-ray Disc™.)

Popup Menu

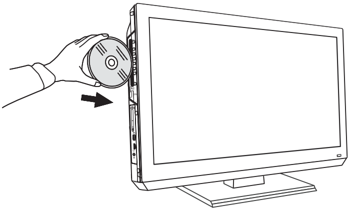
Popup menus included in some Blu-ray Disc™ software provide various features which can be operated during playback. (Popup menu content depends on the disc.)

Loading a Disc

Press **TV/DISC** on the remote control to select Disc mode.

Loading the disc, with label facing forward, into the disc slot.

The disk is inserted straight to the disc slot.



NOTE:

- For a double-sided DVD disc, rotate the disc so the side you want to view is facing back into the disc slot.
- Do not use excessive force when inserting the disc.
- Do not insert more than one disc at a time.

EJECT

Press **EJECT** ⏏ to eject the disc.

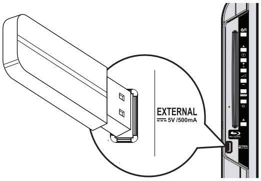
Remove the disc out of the way by hand.

NOTE:

- Please remove the disc after viewing.
- Shaking the TV may cause the disc to fall.
- Do not load a disc which is unplayable, or any object other than a playable disc.

Loading a USB Flash Drive (For BD-LIVE™ Contents)

Check the orientation of connector, then insert a USB flash drive into the EXTERNAL USB connector.


EXTERNAL
5V /500mA

To remove, first stop playback, then pull the USB flash drive slowly and horizontally.

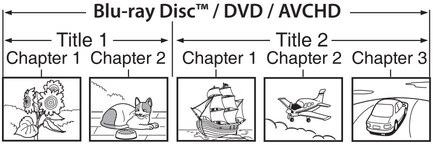
NOTE:

- Do not connect any USB drive other than a USB flash drive.
- To play BD-LIVE™ contents, use a USB flash drive with a capacity of more than 1GB as temporary local storage.
- Some USB flash drive may not work properly even standardized.

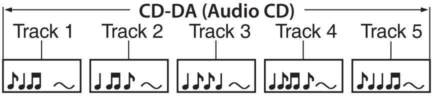
Notes on Discs

Structure of Content

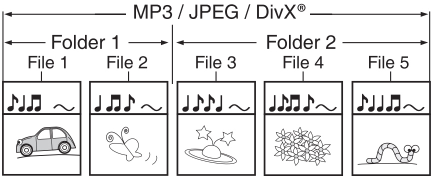
Contents in Blu-ray Disc™-Video, DVD video, AVCHD usually consist of several sections called "title", which is sub-divided into small sections called "chapter". Titles and chapters are all numbered.


Blu-ray Disc™ / DVD / AVCHD
Title 1
Title 2
Chapter 1
Chapter 2
Chapter 1
Chapter 2
Chapter 3

In audio CD's, contents usually consist of several tunes or songs, which are called "tracks", and are all numbered.

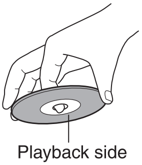

CD-DA (Audio CD)
Track 1
Track 2
Track 3
Track 4
Track 5

MP3, JPEG and DivX® files are stored in folders, in which another folder can be added.


MP3 / JPEG / DivX®
Folder 1
Folder 2
File 1
File 2
File 3
File 4
File 5

On Handling Discs

- Do not touch the playback side of the disc.
- Hold the edges of a disc as follows.


Playback side

- Do not stick paper or tape to discs.
- Do not bend or scratch discs.

On Cleaning Discs

- Fingerprints and dust on the disc may cause picture and/or sound deterioration or prevent playback. Wipe the disc from the centre outwards with a soft cloth. Always keep the disc clean.
- Do not use any type of solvent such as thinner, benzine, commercially available cleaners or antistatic spray for vinyl LPs. It may damage the disc.

On Storing Discs

- Do not store discs in a place subject to direct sunlight or near heat sources.
- Do not store discs in places subject to moisture and dust such as a bathroom or near a humidifier.
- Store discs vertically in a case. Stacking or placing objects on discs outside of their case may cause warping.

Playable Discs

The formats of the Blu-ray Disc™, DVD, and CD listed here are supported by this TV.

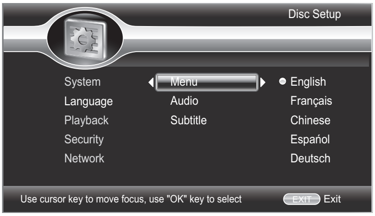
Media	Logo Mark	Size	Content	Marks in this manual
Blu-ray Disc™-Video (BD=Blu-ray Disc™)	Blu-ray Disc™	12cm (43/4 in.) single-sided 1-layer, 2-layer	Commercially available software. B can be played on *DB833B,N,G,F model. C can be played on *DB833R model. A,B,C can be played on this TV. e.g. B A B C	Blu-ray Disc™
BD-RE (Ver.2.1)		12cm (43/4 in.) / 8cm (31/4 in.) single-sided 1-layer, single-sided 2-layer	Content recorded in BDMV format Content recorded in BDAV format DivX® (video file) DivX® HD MP3 (audio file) JPEG (photo file) WMA	
BD-R (Ver.1.1/1.2/1.3)		12cm (43/4 in.) / 8cm (31/4 in.) single-sided 1-layer, single-sided 2-layer		
DVD Video	DVD VIDEO	12cm (43/4 in.) single-sided 1-layer, 2-layer 8cm (31/4 in.) single-sided 1-layer	Commercially available software. The region 2 can be played on(*DB833F,B,N,G) The region code 5 can be played (*DB833R) The region all can be played on this TV (Video format) e.g. 2 5 ALL	DVD
DVD-RW	DVD RW	12cm (43/4 in.) / 8cm (31/4 in.) single-sided 1-layer	Content recorded in Video mode AVCHD recorded video DivX® (video file) DivX® HD MP3 (audio file) JPEG (photo file) WMA	
DVD-R DVD-R DL DVD+R DVD+RW	DVD R R4.7 RW DVD+R RW DVD+ReWritable	12cm (43/4 in.) / 8cm (31/4 in.) single-sided 1-layer, single-sided 2-layer		
CD-DA (Audio CD)	COMPACT disc DIGITAL AUDIO	12cm (43/4 in.) / 8cm (31/4 in.)	Music CD(CD-DA format)	CD
CD-RW	COMPACT disc ReWritable	12cm (43/4 in.) / 8cm (31/4 in.)	DivX® (video file) DivX® HD MP3 (audio file) JPEG (photo file) WMA	
CD-R	COMPACT disc Recordable			

- Disc other than the above cannot be played.
- Some unfinalized BD-Rs may not be played. Unfinalized DVD cannot be played.
- Depending on the property and recording conditions, loading or playback of some discs may not be possible.
- Discs with a region code or number other than those above cannot be played.
- Do not insert a cracked or damaged disc, or any disc with a damaged label.
- Insert ONLY round Blu-ray Disc™ or DVDs. Media of any other shape will damage the TV and cannot be removed.

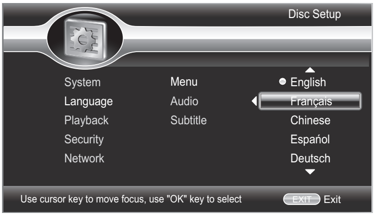
Language Settings

Select the Disc Setup Menu, Audio and Subtitle default language when using the Blu-ray Disc™ function.

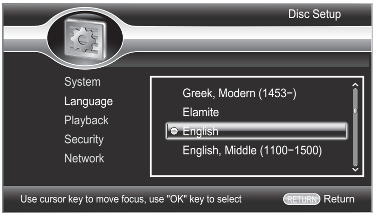
1. Press **SETUP** on the remote control, Disc Setup menu appears.
2. Press ▲ or ▼ to select **Language** and press OK to enter the setup menu.
3. Press ▲ or ▼ to select **Menu**, **Audio** or **Subtitle** and press ► or OK to enter the submenu.


Disc Setup
System
Language
Playback
Security
Network
Menu
Audio
Subtitle
● English
Français
Chinese
Español
Deutsch
Use cursor key to move focus, use "OK" key to select
EXIT Exit

4. Press ▲ or ▼ to select your preferred language and press OK to confirm.


Disc Setup
System
Language
Playback
Security
Network
Menu
Audio
Subtitle
● English
Français
Chinese
Español
Deutsch
Use cursor key to move focus, use "OK" key to select
EXIT Exit

If **More** is selected, press OK to show additional languages.


Disc Setup
System
Language
Playback
Security
Network
Greek, Modern (1453–)
Elamite
English
English, Middle (1100–1500)
Use cursor key to move focus, use "OK" key to select
RETURN Return

Press ▲ or ▼ to select your preferred language and press OK to confirm.

Playing Discs on the Market

Blu-ray Disc™ **DVD** **CD**

Steps for playing Blu-ray Disc™, DVD, audio CD discs available on the market.
The procedure described below is an example. Actual operation may depend on the disc. Refer to instructions of the disc as well.

1. Press **TV/DISC** on the remote control to select Disc mode.
2. Load a disc.
Playback starts automatically.
If not, press **PLAY** ►.

Top menu operation **Blu-ray Disc™** **DVD**

A top menu may appear automatically if contained in the disc.
If you want to display a top menu, press **TOP MENU**. Select an item to play by ▲, ▼, ◄ or ► then press OK.

TOP MENU

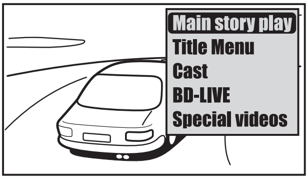
A top menu can be accessed by pressing **TOP MENU** during playback.

Popup menu operation **Blu-ray Disc™**

A popup menu may appear during playback (or beginning of the playback).
To display a popup menu, press **POPUP MENU** during playback. Select an item to play by ▲, ▼, ◄ or ► then press OK.

POPUP MENU

e.g.


Main story play
Title Menu
Cast
BD-LIVE
Special videos

Disc menu operation **DVD**

Menus other than a top menu may be contained in a disc. To display these menus, press **POPUP MENU** during playback. Operate in the same way as a top menu. For details on these menus, refer to description of the disc.

3 To stop playback, press **STOP ■**.
The location where you stopped is stored in memory temporarily so that you can resume playback later.

NOTE: Some Blu-ray Disc™ software may stop automatically during playback. Such a stop can be released by pressing **PLAY ►**.

BD-LIVE™

This TV supports BD-LIVE™ video. By connecting this TV to the internet, you can download additional videos and subtitles, play interactive games, and access other special features (depending on the disc).

The procedure described below is an example. Actual operation may depend on the disc. Follow instructions belonging to disc.

1 Insert a USB flash drive with an adequate (more than 1GB) into the EXTERNAL connector.
Logical format: FAT32/16
USB2.0 Correspondence For Local Storage
These requirements does not guarantee compatibility of all USB flash drives. Some products may not be read on this TV.

2 Load a BD-LIVE™-featured disc.

3 Press **POPUP MENU**.

POPUP MENU

A popup menu appears.

4 Select “BD-LIVE”, then press **PLAY ►** or (OK).
While downloading BD-LIVE™ contents to the connected USB flash drive, your operation may be restricted, and if you power off or power failure occurs downloaded content will be lost. In such a case you may need to operate again.

NOTE:

- To use BD-LIVE™ feature, connect this TV to the internet (page 76) and make the necessary setting (page 76) on this TV. Broadband internet connection is recommended.
- Depending on the conditions of your network, access of this TV to the internet may take a long time or may not be possible.
- Some BD-LIVE™ contents may take longer time to be accessed.
- While playing BD-LIVE™ feature, an ID of this TV or the disc may be sent to the content provider. To restrict BD-LIVE™ access, change the setting of “BD-Live Connection” (page 77).
- BD-LIVE™ contents are downloaded to a USB flash drive inserted into the EXTERNAL connector. You may want to increase capacity of memory. Execute Fmt buda on page 71, to delete the data in the BUDA folder.

Playing BD-R/RE, DVD±R/RW

Blu-ray Disc™ **DVD**

Steps for playing of the following discs:

BD-R, BD-RE:

Discs recorded on recording devices such as Blu-ray Disc™ recorders

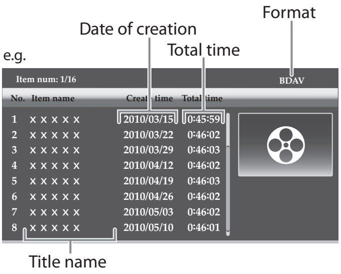
(Format: BDAV, BDMV)

DVD±R, DVD±RW:

Discs recorded on recording devices such as DVD recorders

1. Press **TV/DISC** on the remote control to select Disc mode.
2. Load a disc.
   A title list is displayed automatically. Depending on the disc type, “Folder_1” may appear. In this case, press Ⓞ︎K.

   e.g.

   Item num: 1/16 BDAV

No.	Item name	Create time	Total time
1	x x x x x	2010/03/15	0:45:59
2	x x x x x	2010/03/22	0:46:02
3	x x x x x	2010/03/29	0:46:03
4	x x x x x	2010/04/12	0:46:02
5	x x x x x	2010/04/19	0:46:03
6	x x x x x	2010/04/26	0:46:02
7	x x x x x	2010/05/03	0:46:02
8	x x x x x	2010/05/10	0:46:01

   If a list consists of more than one pages, you can change pages by **SKIP ⏮** or **SKIP ⏭** (or scroll by ▲ or ▼.)
3. Press ▲ or ▼ to select a title, then press Ⓞ︎K. Playback starts from the selected title.

Returning to a Title List

During playback, press **TOP MENU**.

To open a title list in stop mode, first press **PLAY ►** then **TOP MENU**.

NOTE: To play DVD±R/RW recorded in Video mode or AVCHD mode, follow the same step as “Playing Discs on the Market” (page 64).

Playback Function

Depending on the disc and conditions, some of these functions may not be available.

Pausing

Press **PAUSE ❚❚**.

- To resume normal playback, press **PLAY ►**.

Fast-Forward/Fast-Reverse

During playback, press **FF ►►** (fast-forward) or **REV ◄◄** (fast-reverse).

- Pressing the button repeatedly changes the speed.
- Sound is muted.
- To resume normal playback, press **PLAY ►**.

Frame by Frame playback

During playback, press **PAUSE ❚❚**, then press **SKIP ⏭**.

Slow Motion

During playback, press **PAUSE ❚❚**, then press and hold **SKIP ⏭** for two seconds or more.

- Pressing the button repeatedly changes speed.
- Sound is muted.
- To resume normal playback, press **PLAY ►**.

Skipping Chapters or Tracks

Press **SKIP ⏭** (forward) or **SKIP ⏮** (reverse) repeatedly.

SKIP ⏭: to skip to the next chapter/track/file.

SKIP ⏮: to return to the beginning of the current chapter/track/file. To skip to preceding chapter/track/file, press this button repeatedly.

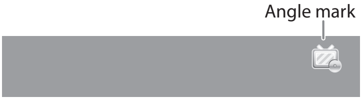
Selecting Camera Angles

Blu-ray Disc™ **DVD**

While playing a scene recorded with multiple camera angles, press **ANGLE** repeatedly to select the angle.

ANGLE

e.g.



An angle mark appears while playing a scene recorded with multiple camera angles.

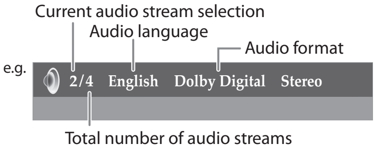
- Angle selection is not available when playing a scene or disc not recorded with multiple camera angles.
- After changing the angle, it will take a few moments to change the angle.
- If you pause a picture immediately after changing the angle, the resumed playback picture may not display the new camera angle.
- Some discs which contain scenes recorded with multiple camera angle may prohibit playback variations such as fast or slow motion.

Selecting Audio Formats

Blu-ray Disc™ **DVD**

During playback, press ↀ Ⅰ/Ⅱ repeatedly to select the sound.

ↀⅠ/Ⅱ


Current audio stream selection
Audio language
Audio format
e.g.
2/4 English Dolby Digital Stereo
Total number of audio streams

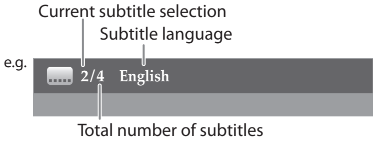
- Some discs allow you to change audio selections only via the disc menu. In such a case, press **POPUP MENU** and choose the appropriate language from the selections on the disc menu.
- Audio selection is not available when playing a disc which does not contain several languages.

Selecting Subtitles

Blu-ray Disc™ **DVD**

During playback, press **SUBTITLE** repeatedly to select subtitle language.

SUBTITLE


Current subtitle selection
Subtitle language
e.g.
2/4 English
Total number of subtitles

- To disable subtitles, select “Off”.
- Some discs may not include any subtitle languages.
- Depending on scenes, the subtitles may not appear immediately after you change the subtitle language.
- Some discs display subtitles automatically, and you cannot turn them off even if you set the subtitle function to off.
- Some discs will allow you to make subtitle selections and turn subtitles on or off only via the disc menu.

Zooming a Picture

Blu-ray Disc™ **DVD**

During playback, press **ZOOM**.

ZOOM

Pressing repeatedly changes the magnification level (2, 3, 4, 1/2, 1/3, 1/4, original size).
If you press ▲, ▼, ◄ or ► while viewing an enlarged picture, the focus point shifts.

- Depending on scenes or disc category, zooming may be prohibited.
- Zooming does not work on subtitles, marks or cursor on menus and on-screen displays.

Playing in a Favourite Order (Program Play)

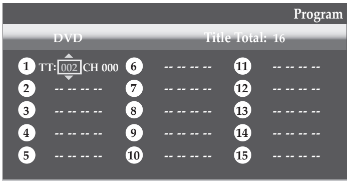
Blu-ray Disc™ **DVD** **CD**

1. During playback, press **PROGRAM**.

A programming menu appears.

2. If it is the first programming, press OK.
3. Press ▲ or ▼ to select a title (“TT”) number.

e.g.



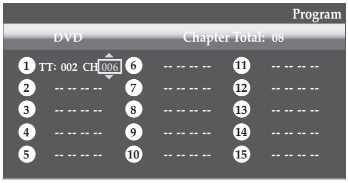
Program

DVD Title Total: 16

①	TT: 002 CH 000	⑥	-- -- -- --	⑪	-- -- -- --
②	-- -- -- --	⑦	-- -- -- --	⑫	-- -- -- --
③	-- -- -- --	⑧	-- -- -- --	⑬	-- -- -- --
④	-- -- -- --	⑨	-- -- -- --	⑭	-- -- -- --
⑤	-- -- -- --	⑩	-- -- -- --	⑮	-- -- -- --

4. Press ► to move the cursor to a chapter (“CH”), and press ▲ or ▼ to select a chapter number, then press OK.

e.g.



Program

DVD Chapter Total: 08

①	TT: 002 CH 006	⑥	-- -- -- --	⑪	-- -- -- --
②	-- -- -- --	⑦	-- -- -- --	⑫	-- -- -- --
③	-- -- -- --	⑧	-- -- -- --	⑬	-- -- -- --
④	-- -- -- --	⑨	-- -- -- --	⑭	-- -- -- --
⑤	-- -- -- --	⑩	-- -- -- --	⑮	-- -- -- --

- To add another program, repeat steps 2 to 4.
- To correct the program, select it and press OK, then correct the number.
- To delete the program, select it and press **STOP** ■.
- To delete all the programs, press **RETURN**.
- When using an audio CD, enter track numbers.

5. Press **PLAY** ►.
Playback starts in the order you programmed.
   - To cancel program play, press **STOP** ■ twice.

NOTE: It doesn’t operate by all Blu-ray Disc™.

Marking a Desired Scene (Bookmark)

Blu-ray Disc™ **DVD** **CD**

Registering a Bookmark

At a scene to register, press **BOOK MARK**.

Up to 12 scenes can be registered. If the capacity is full, “ ⊘ ” appears.

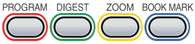
Playing from a Bookmark

1. Press and hold **BOOK MARK**.
A bookmark list appears.
2. Press ◄ or ► to select a bookmark to play, then press OK.
Playback starts from the bookmark.
To erase a registered bookmark, select it and press **STOP** ■.

NOTE:

- Bookmarks may not be able to be registered for some discs or scenes.
- A registered bookmark information is cleared in cases such as when:
  - the TV is turned off.
  - the disc is ejected.

Buttons



Some Blu-ray Disc™ may allocate special functions to the colour buttons.

Follow descriptions of discs or on-screen guidance to operate.

Resume Playback Function

The TV memorizes the location where playback is stopped and resumes playback from the location where you stopped.
If you press **PLAY** ► after stopping playback by **STOP** ■, playback starts from the location where you stopped.
If you want to return to the beginning of a disc, press **STOP** ■ twice. The TV clears the memory of the location.

- When playing a disc, the TV’s memory will also be cleared when:
  - the disc is ejected.
  - “Parental Control” setting is changed.

NOTE:

- There may be a difference in the location where playback resumes depending on the disc.
- This function may not be available on some BD-J discs.

Playing Music/Video/Picture Files

Blu-ray Disc™ **DVD** **CD**

This TV can play the following formats:

Video file:	AVCHD / DivX®
Music file:	MP3, WMA
Picture file:	JPEG
Disc:	BD-R, BD-RE DVD±R, DVD-R DL, DVD±RW CD-R, CD-RW

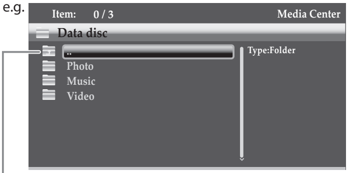
- The above is not a guarantee of compatibility of all the files. Depending on the recording condition or other factors, some files may not be played.
- Some operations may be prohibited. In such a case, " ⊘ " appears.

1 Press **TV/DISC** on the remote control to select Disc mode.

2 Load a disc recorded files.

3 Press ▲ or ▼ to select a category of file, then press OK.
e.g.: When loading a disc, a menu below appears.
(Actual menu may depend on the disc category.)

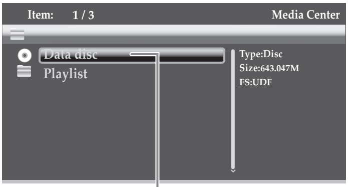
e.g.



Item: 0 / 3

Type:Folder

If you select " " and press OK, the media selection menu (top menu) appears.



Item: 1 / 3

Type:Disc
Size:643.047M
FS:UDF

To play a disc.

Press ▲ or ▼ to select an item to play, then press OK.

- The media selection menu (top menu) appears also by pressing **TOP MENU**.
- To turn it off, press **EXIT**.

4 Select one of the following operation depending on the file category.

When you select "Photo" and press OK:

File names appear, accompanied by data of a currently selected file.
Press ▲ or ▼ to select a file to play, then press OK.
Slideshow starts from the selected file.
The following operations are available (depending on the recording conditions of files).

REV ◄◄ / FF ►►	Pressing in slideshow switches the interval of photos between 5 speeds.
PAUSE ❚❚	Pressing in slideshow stops play to enter still mode. To resume slideshow, press again.
SKIP ❙◄◄ / (SLOW) SKIP ►►❙	Pressing in still mode changes the photo to the next or previous one.
▲ ◄ ► ▼	Pressing repeatedly in slideshow or still mode changes the direction of the still photo. ►: Rotates 90° clockwise. ◄: Rotates 90° counterclockwise. ▲: Reflects up and down. ▼: Reflects left and right. To resume slideshow, press **PLAY ►**.
ZOOM	Pressing in still mode enlarges the photo. Further pressing repeatedly changes the magnification level. Focusing point can be shifted by ▲, ▼, ◄ or ►.
DIGEST	Only when JPEG is displayed, this button can be used. Pressing displays thumbnail view. • If you select a photo by ▲, ▼, ◄ or ► then press OK, slideshow starts from the selected photo. • To change the page, press **SKIP ❙◄◄** or **SKIP ►►❙**. • To close thumbnail view, press **DIGEST** again.
STOP ■	Picture playback finishes.

When you select “Music” and press OK:

File names appear, accompanied by data of a currently selected file.

Press ▲ or ▼ to select a file to play, then press OK.

Playback starts from the selected file.

The following operations are available (depending on the recording conditions of files).

PAUSE ❚❚	Playback stops to enter pause mode. If you press again, playback resumes.
SKIP ⏮ / (SLOW) SKIP ⏭	**SKIP ▶▶❙**: Skips to the next file. **SKIP ❙◀◀**: Returns back to the beginning of the current file. Pressing twice, skips back to the previous file.
REV ◀◀ / FF ▶▶	Plays fast in reverse or forward direction. Pressing repeatedly changes the speed. To resume playback, press **PLAY ▶**.
STOP ■	Playback stops. Pressing **STOP ■** returns to a media selection menu.

When you select “Video” and press OK:

File names appear, accompanied by data of a currently selected file.

Press ▲ or ▼ to select a file to play, then press OK.

Playback starts from the selected file.

Depending on the recording conditions, a file may prohibit some operations. In this case “ ⊘ ” appears.

Pressing **STOP ■** finishes playback and returns to the media selection menu.

5 To turn off the media selection menu, press **EXIT**.

NOTE:

- Some media may not be recognized.
- The file size of an image may be shown fully.
- The number of characters for file or folder names is limited to 512.
- The characters of file or folder names may not be fully shown due to the viewing area.
- A disc containing over 1000 folders cannot be played.

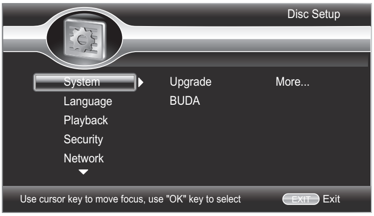
System Settings

Upgrade

For software upgrades to enhance performance, you can select the following upgrade method and start to upgrade.

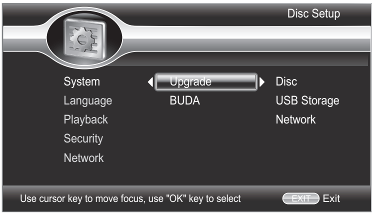
1 Press **SET UP** on the remote, the Disc Setup menu appears.

2 Press ▲ or ▼ to select **System** and press ► or OK to enter the submenu.



Use cursor key to move focus, use "OK" key to select

3 Press ▲ or ▼ to select **Upgrade** and press ► or OK to enter the submenu.



Use cursor key to move focus, use "OK" key to select

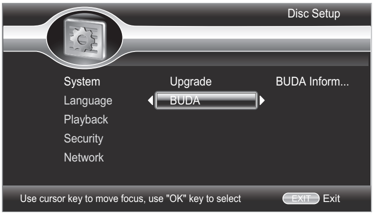
4 Press ▲ or ▼ to select **Disc**, **USB Storage** or **Network** and press OK to start upgrade.

BUDA

BUDA would be used in BD-Live™ function, but there is no specific meaning about the word of BUDA. When you plug in the USB which has at least 1 GB free space to play BD-Live™ function, the Blu-ray Disc™ system would make a directory named BUDA automatically.

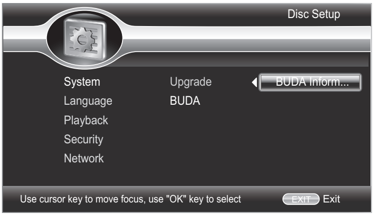
1 In the Disc Setup menu, press ▲ or ▼ to select **System** and press ► or OK to enter the submenu.

2. Press ▲ or ▼ to select **BUDA** and press ► or OK to enter the submenu.


Disc Setup
System
Language
Playback
Security
Network
Upgrade
BUDA
BUDA Inform...
EXIT Exit

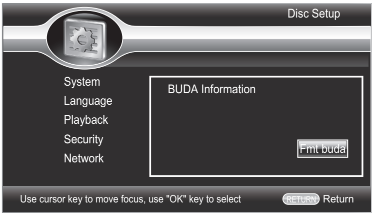
Use cursor key to move focus, use "OK" key to select

3. Press OK to select **BUDA Information**.


Disc Setup
System
Language
Playback
Security
Network
Upgrade
BUDA
BUDA Inform...
EXIT Exit

Use cursor key to move focus, use "OK" key to select

4. Press OK to select **Fmt buda**, the data in the BUDA folder will be cleared.


Disc Setup
System
Language
Playback
Security
Network
BUDA Information
Fmt buda
RETURN Return

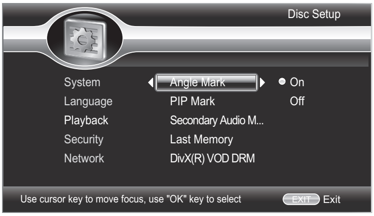
Use cursor key to move focus, use "OK" key to select

Playback Settings

Angle Mark

Some Blu-ray™/DVD discs contain the scenes recorded with multiple angles, which allow you to enjoy the videos with your desired angles, therefore the angle mark is displayed only when the Blu-ray™/DVD disc is supportable for multi-angles and **Angle Mark** is set to **On**.

1. Press **SET UP** on the remote, the Disc Setup Menu appears.
2. Press ▲ or ▼ to select **Playback** and press ► or OK to enter the submenu.
3. Press ▲ or ▼ to select **Angle Mark** and press ► or OK to enter the submenu.


Disc Setup
System
Language
Playback
Security
Network
Angle Mark
PIP Mark
Secondary Audio M...
Last Memory
DivX(R) VOD DRM
● On
Off
EXIT Exit

Use cursor key to move focus, use "OK" key to select

4. Press ▲ or ▼ to select **On** or **Off** and press OK to confirm.

PIP Mark

The Picture-In-Picture (PIP) mode displays two pictures on the TV screen at the same time. The full screen picture is called the Main Window and the small inset window is called a Sub Window. The PIP mark is displayed when in PIP mode and **PIP Mark** is set to **On**.

1. In the Disc Setup menu, press ▲ or ▼ to select **Playback** and press ► or OK to enter the submenu.
2. Press ▲ or ▼ to select **PIP Mark** and press ► or OK to enter the submenu.
3. Press ▲ or ▼ to select **On** or **Off** and press OK to select.

NOTE: Some PIP settings are only accessible in the Disc menu.

Secondary Audio Mark

1. In the Disc Setup menu, press ▲ or ▼ to select **Playback** and press ► or OK to enter the submenu.
2. Press ▲ or ▼ to select **Secondary Audio Mark** and press ► or OK to enter the submenu.
3. Press ▲ or ▼ to select **On** or **Off** and press OK to select.

Last Memory

If you eject the disc or switch the TV to the standby state during normal playback, the TV will memorize the playing point. On restart, the TV will start playback from the memorized point.

1. In the Disc Setup menu, press ▲ or ▼ to select **Playback** and press ► or OK to enter the submenu.
2. Press ▲ or ▼ to select **Last Memory** and press ► or OK to enter the submenu.
3. Press ▲ or ▼ to select **On** or **Off** and press OK to confirm.

NOTE: Not all the Blu-ray™ discs can support this function.

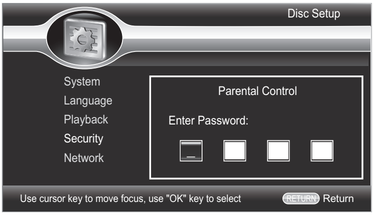
Security Settings

Parental Control

Restricts access to discs that are unsuitable for children. These discs must be recorded with rating.

NOTE: The password is the same as the parental control password in **DTV Settings**.

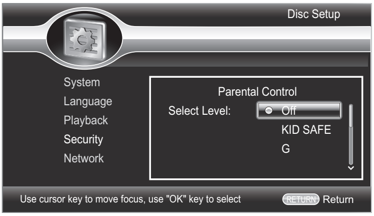
1. In the Disc Setup menu, press ▲ or ▼ to select **Security** and press ► or OK to enter the submenu.
2. Press ▲ or ▼ to select **Parental Control** and press ► or OK to enter the submenu.
3. Use the number keys on the remote to enter the password, and press OK to confirm.


Disc Setup
System
Language
Playback
Security
Network
Use cursor key to move focus, use "OK" key to select
RETURN Return

Parental Control

Enter Password: ☐ ☐ ☐ ☐

4. Press ▲ or ▼ to select the parental rating level.


Disc Setup
System
Language
Playback
Security
Network
Use cursor key to move focus, use "OK" key to select
RETURN Return

Parental Control

Select Level: Off

KID SAFE

G

Level	Description
Off	No playback restriction
KID SAFE	Safe for children
G	All children and general guidance
PG	Parental guidance
PG-13	Parental guidance for children under 13
PGR	Parental guidance Recommended
R	Parental guidance
NC-17	No one 17 and under allowed
ADOULT	Adult Only

NOTE:

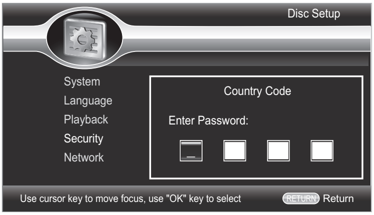
- Rated discs above the level you set in **Parental Control** require a password to be entered.
- The ratings are country-depended.

Country Code

This ensures that you will be able to see the scenes intended for your current residential Country/Area.

1. Press **SET UP** on the remote, the Disc Setup menu appears.
2. Press ▲ or ▼ to select **Security** and press ► or OK to enter the setup menu.
3. Press ▲ or ▼ to select **Country Code** and press ► or OK to enter the submenu.

4 Use the number keys on the remote to enter the password, and press OK to confirm.

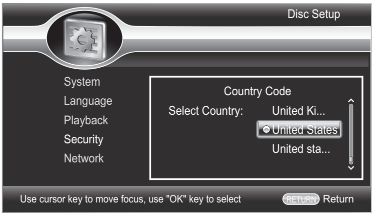

Disc Setup
System
Language
Playback
Security
Network
RETURN Return

Country Code

Enter Password: _

Use cursor key to move focus, use "OK" key to select

5 Press ▲ or ▼ to select your country/area.


Disc Setup
System
Language
Playback
Security
Network
RETURN Return

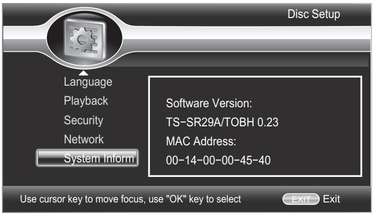
Country Code

Select Country: United Ki... / United States / United sta...

Use cursor key to move focus, use "OK" key to select

System Information

In the Disc Setup menu, press ▲ or ▼ to select **System Information** to display the current software version and MAC address.


Disc Setup
Language
Playback
Security
Network
System Inform
EXIT Exit

Software Version:
TS-SR29A/TOBH 0.23
MAC Address:
00-14-00-00-45-40

Use cursor key to move focus, use "OK" key to select

Information on DivX® Video

This product is a DivX® certified device that supports DivX® file playback.

ABOUT DivX® VIDEO:

DivX® is a digital video format created by DivX, Inc. This is an official DivX Certified® device that plays DivX® video. Visit divx.com for more information and software tools to convert your files into DivX® video.

ABOUT DivX® VIDEO-ON-DEMAND:

This DivX Certified® device must be registered in order to play purchased DivX Video-on-Demand (VOD) movies. To obtain your registration code, locate the "DivX® VOD DRM" section in "Disc Setup" > "General Setting" > "Playback". Go to vod.divx.com for more information on how to complete your registration.

Operating On-Screen Control Menu

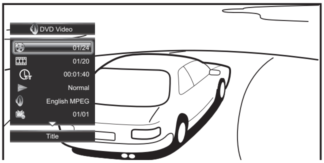
Blu-ray Disc™ **DVD**

The On-Screen Control menu is a list of currently available functions.
On this menu, you can perform various operations only by ▲, ▼, ◄ or ► and OK.

DISC MENU
GUIDE

During playback, press DISC MENU.

e.g.



To scroll, press ▲ or ▼.

Most usual functions and operations are as follows. Actual ones may depend on the category or recording conditions of disc. Follow the guidance on screen to operate.

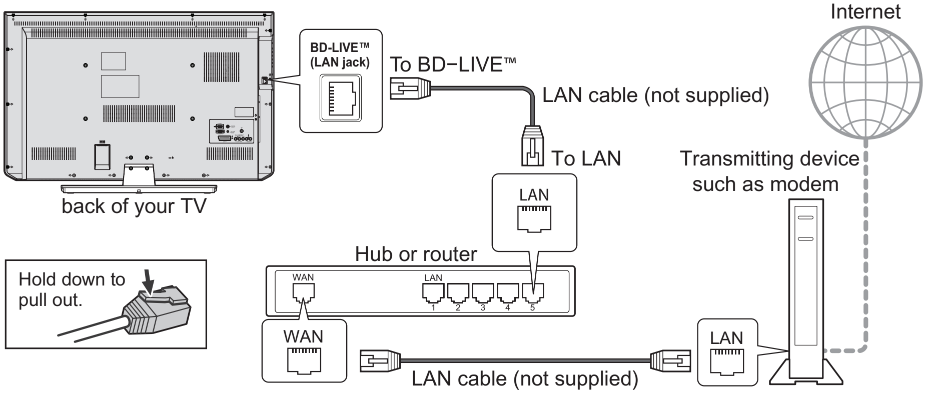
Mark	Function	Meaning and operation (Select the mark and press OK.)
	File	**Number of a current file / Total number of playable files** Press ▲ or ▼ to select a number of file to play, then press OK.
	Title (Title Search)	**Number of a current title / Total number of titles** Press ▲ or ▼ to select a number of title to play, then press OK.
	Chapter (Chapter Search)	**Number of a current chapter / Total number of chapters** Press ▲ or ▼ to select a number of chapter to play, then press OK.
CH	Time	**Remaining time of title/chapter / Elapsed time of title/chapter** Press ▲ or ▼ to change the marks. TT: Elapsed time of title -TT: Remaining time of title CH: Elapsed time of chapter -CH: Remaining time of chapter
▶	Mode	**Playback status** Press ▲ or ▼ to select the mode, then press OK. Normal: Normal play Random: Shuffling may select a file already played. Shuffle: Each file is played once in shuffled order.
	Audio	**Audio language recorded in a disc** Press ▲ or ▼ to select the language, then press OK.
	Angle	**Number of a current angle / Total number of recorded angles** Press ▲ or ▼ to select an angle, then press OK.
.....	Subtitle	**Subtitle language** Press ▲ or ▼ to select a subtitle languages from those recorded in a disc, then press OK.
ABC	DivX® language	**DivX® language** When the DivX® language is recorded, it is possible to choose. Press ▲ or ▼ to select a type of DivX® language, then press OK.

Mark	Function	Meaning and operation (Select the mark and press OK.)
A	Subtitle Style	**Additional content** If there is no additional content in a playing Blu-ray Disc™, “Off” is displayed.
PIP	Second Video	**PIP (Picture In Picture)** When the Picture In Picture is recorded, it is possible to choose. Press ▲ or ▼ to select a secondary video, then press OK.
	Second Audio	**Secondary audio** When the Secondary Audio is recorded, it is possible to choose. Press ▲ or ▼ to select a secondary audio, then press OK.
🔊	Bitrate	**Bitrate of video and audio** Press ▲ or ▼ to select a bitrate to view, then press OK. 🔊: Bitrate of audio 🎞: Bitrate of video
■	Still Off	Select this to release an intentional still mode programmed at certain scenes.
▶▶	Ins Search	Pressing OK advances about 30 second forward.
◀◀	Ins Replay	Pressing OK goes back about 10 second before.
🔍	Search	Search title, chapter or time.
DISPLAY	Display	Display active disc information
🔁	Repeat Mode	Press OK to select a repeat mode. TT: Repeat the active title CH: Repeat the active chapter All: Repeat All
A-B	Repeat A-B	Press to set the start-point, press again to set the end-point. The scene will repeat until you press the third time to cancel this function.

- To turn off On-Screen Control menu, press **DISC MENU** again.

Connecting to Network (For BD-LIVE™)

To play BD-LIVE™, connect this TV to network. For details on BD-LIVE™, see “BD-LIVE™” (page 65).


Internet
BD-LIVE™ (LAN jack)
To BD−LIVE™
LAN cable (not supplied)
To LAN
Transmitting device such as modem
LAN
back of your TV
Hub or router
WAN
LAN
1
2
3
4
5
Hold down to pull out.
WAN
LAN
LAN cable (not supplied)

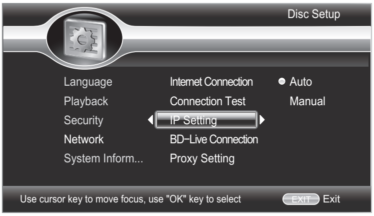
NOTE:

- For details on connection, refer to manual of your network devices.
- After connecting to network, make the settings of “Network” (See below).
- Do not connect anything other than a LAN (straight) cable. Neglecting this may cause damage to the TV.
- Connect to a router supporting 10BASE-T or 100BASE-TX transmission speed. (Transmission speed may depend on the network conditions. This requirement is not a guarantee of capacity and quality of communication.)
- Do not connect this TV directly to a PC. Doing so may cause a malfunction.
- Use of this TV connecting to the internet may require the related contract with your internet provider.

IP Setting

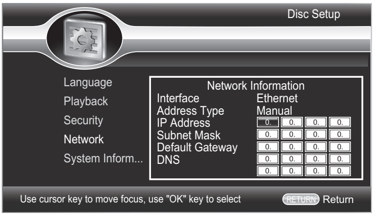
To enjoy BD-LIVE™ bonus contents, setup the network connection.

1. Press **SET UP** on the remote control. Disc Setup menu appears.
2. In the Disc Setup menu, press ▲ or ▼ to select **Network** and press ► or OK to enter the setup menu.
3. Press ▲ or ▼ to select **IP Setting** and press ► or OK to enter the submenu.
4. Press ▲ or ▼ to select **Auto**. An IP address is obtained automatically.


Disc Setup
Language
Playback
Security
Network
System Inform...
Internet Connection
Connection Test
IP Setting
BD−Live Connection
Proxy Setting
● Auto
Manual
EXIT Exit

Use cursor key to move focus, use "OK" key to select

If no IP address is obtained, select **Manual** to input **IP address**, **Subnet Mask**, **Default Gateway**, **DNS**, and press OK to connect to the network. It will try to obtain the **IP address** again.


Disc Setup
Language
Playback
Security
Network
System Inform...
Network Information
RETURN Return

Interface Ethernet
Address Type Manual
IP Address 0. 0. 0. 0.
Subnet Mask 0. 0. 0. 0.
Default Gateway 0. 0. 0. 0.
DNS 0. 0. 0. 0.

Use cursor key to move focus, use "OK" key to select

NOTE: During **Manual** mode, if the number is entered incorrectly, press ▼ to erase the number.

Internet Connection

1. In the Disc Setup menu, press ▲ or ▼ to select **Network** and press ► or OK to enter the setup menu.
2. Press ▲ or ▼ to select **Internet Connection** and press ► or OK to enter the submenu.
3. Press ▲ or ▼ to select **Enable** and press OK to confirm.

Connection Test

Display network connection status information.

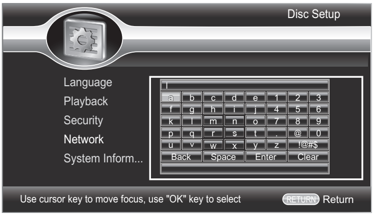
1. In the Disc Setup menu, press ▲ or ▼ to select **Network** and press ► or OK to enter the setup menu.
2. Press ▲ or ▼ to select **Connection Test** and press ► or OK to start connection test.

BD-Live Connection

1. In the Disc Setup menu, press ▲ or ▼ to select **Network** and press ► or OK to enter the setup menu.
2. Press ▲ or ▼ to select **BD-Live Connection** and press ► or OK to enter the submenu.
3. Press ▲ or ▼ to select **Permitted**, **Partial Permitted** or **Prohibited** and press OK to confirm.
   - **Permitted** – During playback of BD-LIVE™ disc, the disc may automatically download all information from appointed network.
   - **Partial Permitted** – During playback of BD-LIVE™ disc, download of information is permitted only when the disc contains certificate issued by the content provider.
   - **Prohibited** – Disable the TV’s access to the internet, therefore no information is downloaded.

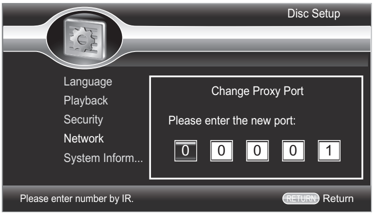
Proxy Setting

1. In the Disc Setup menu, press ▲ or ▼ to select **Network** and press ► or OK to enter the setup menu.
2. Press ▲ or ▼ to select **Proxy Setting** and press ► or OK to enter the submenu.
3. Press ▲ or ▼ to select **Enable** or **Disable** and press OK to confirm.
   NOTE: Proxy Host and **Proxy Port** are only available when **Proxy Setting** is **Enable**.
4. Press ▲ or ▼ to select **Proxy Host** and press OK to confirm. Use ▲, ▼, ◄ or ► to edit **Proxy Host**.


Disc Setup
Language
Playback
Security
Network
System Inform...
a b c d e 1 2 3
f g h i j 4 5 6
k l m n o 7 8 9
p q r s t . @ 0
u v w x y z !@#$
Back Space Enter Clear
RETURN Return

Use cursor key to move focus, use "OK" key to select

Press ▲ or ▼ to select **Proxy Port** and press OK to confirm. Use number keys on the remote control to edit the **Proxy Port**.


Disc Setup
Language
Playback
Security
Network
System Inform...
RETURN Return

Change Proxy Port

Please enter the new port:

0 0 0 0 1

Please enter number by IR.

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7,295,673; 7,460,668; 7,515,710; 7,519,274

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Specifications and Accessories

- This TV complies with the specification listed below.
- Design and specifications are subject to change without notice.

DVB-T Broadcast systems/ channels	
UK	UHF 21-68
France	VHF 05-10 (VHF 01-05) UHF 21-69
Germany	VHF 05-12 UHF 21-69
Austria	VHF 05-12 UHF 21-69
Switzerland	VHF 05-12 UHF 21-69
Italia	VHF 05-12 (D,E,F,G,H,H1,H2) UHF 21-69
Spain	UHF 21-69
Nederlands	VHF 05-12 UHF 21-69
Sweden	VHF 05-12 UHF 21-69
Finland	VHF 05-12 UHF 21-69
Greece	VHF 05-12 UHF 21-69

Broadcast systems/channels	
PAL-I	UHF UK21-UK69
PAL-B/G	UHF E21-E69 VHF E2-E12, S1-S41
SECAM-L	UHF F21-F69 VHF F1-F10, B-Q
SECAM-D/K	UHF R21-R69 VHF R1-R12

DVB-C

Video Input PAL, SECAM, NTSC 3.58/4.43

External connections

EXT1	Input/Output	21-pin SCART	Auto, Mixed, RGB, Composite, S-Vídeo / TV Out
EXT2/EXT3	Input	RCA jacks	(EXT2) Video (EXT3) Y,
		RCA jacks	P_B/C_B, P_R/C_R
RGB/PC	Input	D-sub	RGB
HDMI 1/2	Input	HDMI®	
PC/HDMI AUDIO		Phone jack	Audio L + R
EXT2/EXT3 Audio		RCA jacks	Audio L + R
Digital Audio		Output (S/PDIF)	Coaxial
USB Port	Interface version: USB Class: File system:	USB 2.0 USB Flash Drive FAT32/16	
BD-LIVE™		RJ-45 jack	
External Terminal (For Memory Storage)		USB Flash Drive	

Disc Player Specification

Blu-ray Disc™ Region Code	Model	F, G, N, B	B
		R	C
DVD-Video Region Code	Model	F, G, N, B	2
		R	5

Pickup Wavelength	CD	785±6nm
	DVD	661±4nm
	Blu-ray Disc™	405±5nm

Stereo		NICAM 2 Carrier System	
Visible Screen Size (H x V mm) (approx.)	Model	32DB833B	698.40 x 392.85
		42DB833B	930.24 x 523.26
Display		16:9 (1920 x 1080)	
Sound Output (At 10% Distortion)	Model	32DB833B	5W + 5W
		42DB833B	7W + 7W

Power Consumption

Power source 220-240V AC 50/60Hz

32DB833B	
Annual power consumption (approx.)	83.4kWh
On mode power consumption(approx.)	57.1W
Standby power consumption (approx.)	< 0.3W
Off mode power consumption (approx.)	< 0.3W

42DB833B	
Annual power consumption (approx.)	127.3kWh
On mode power consumption(approx.)	87.2W
Standby power consumption (approx.)	< 0.3W
Off mode power consumption (approx.)	< 0.3W

*** Operating 4 hours a day and 365 days a year.**

Dimensions (H x W x D mm) (approx.)	Model	32DB833B	542 x 770 x 201
		42DB833B	677 x 1007 x 238
Weight (approx.)	Model	32DB833B	11.5kg
		42DB833B	15.5kg
Headphone Socket		3.5mm stereo	
Operating Conditions		Temperature: 5°C - 35°C (41°F - 94°F) Humidity: 20% - 80% (non-condensing)	
Accessories		Remote control 2 batteries (AAA, IEC R03 1.5V) Power cord Owner's Manual Screw (x6)	

REMEMBER

IF YOU ARE EXPERIENCING ANY DIFFICULTIES PLEASE VISIT **WWW.TOSHIBA.CO.UK/TV-DVD-SUPPORT**

OR CONTACT THE TOSHIBA CUSTOMER HELPLINE ON **0844 856 0730**

Full Warranty Terms and Conditions available at
http://www.toshiba.co.uk/tv-dvd-support

ECO USE:

- energy efficiency reduces power consumption and thus saves money by reducing electricity bills,
- turning the TV off at its mains supply, or un-plugging it, will cut energy use to zero for all TVs, and is recommended when the TV is not being used for a long time, e.g. when on holiday,
- using the hard off-switch will reduce energy use to near zero (where one is fitted),
- putting the TV into standby mode will reduce energy consumption, but will still draw some power,
- reducing the brightness of the screen will reduce energy use.

License Information on the Software Used in This Product

This document is statement purpose only. Not concerned with operation of this product.

The software pre-installed in this product consists of multiple, independent software components. Each software component is copyrighted by a third party. This product uses software components that are distributed as freeware under a third-party end-user license agreement or copyright notice (hereinafter referred to as a “EULA”).

Some EULAs require that the source code of the applicable component be disclosed as the condition for distributing the software component in executable format. You can check the software components subject to such EULA requirements on the following e-mail address:

E-mail address: linux@toshiba-dme.co.jp

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The table below lists the software components pre-installed in this product, which are subject to EULAs. The user should read the applicable EULAs carefully before using these software components. The EULAs are exhibited in their original text (English) as exactly written by the respective parties.

Project name	Project license
Linux kernel	GPLv2
Busybox	GPLv2
U-boot	GPLv2
glibc	LGPLv2.1
SquashFS	GPLv2
International Components for Unicode	ICU License
OpenSSL	OpenSSL License and SSLeay License
zlib	zlib license
FreeType	FreeType License
Expat	Expat license
CURL	curl license
Independent JPEG group	IJG license
LIRC	GPLv2

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Version 2, June 1991

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/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.3, July 18th, 2005

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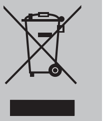

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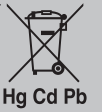

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